

**Massachusetts Institute of Technology**  
**Research Expenditures by Primary Sponsor**  
**Fiscal Year 2019**

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
000100 Air Force	002043 Aerospace Corporation	6938786	C	P061096	AGMT DTD 3/15/18	Linares /Richard	03/15/18	06/30/19	115,401	155,107	(5,300)
		6938879	C	P061096	PO# 460006296	Linares /Richard	03/15/18	06/30/19	207,050	227,692	(17,681)
		6939399	C	P061090	PO# 460006296	Masterson /Rebecca A	03/15/18	06/30/19	85,456	92,000	6,544
	009001 Lincoln Laboratory	6928933	C	P061093	PO# 7000243692	Hansman /Robert J	11/01/13	06/30/19	248,075	671,645	(325)
		6930859	C	P267300	PO# 7000290592	Oliver /William D	09/01/14	08/31/22	3,739,853	8,985,142	507,575
		6931611	C	P060600	PO# 7000306158	Palacios /Tomas	02/01/15	09/30/19	4,722	564,000	111,911
		6932764	C	P267600	PO# 7000326660	Lu /Timothy K	09/01/15	12/31/18	30,449	50,000	(2,682)
		6933166	C	P061094	PO# 7000334320	Barrett /Steven R. H.	10/01/15	09/30/18	77,951	442,122	(0)
		6933199	C	P267300	PO# 7000335585	Fink /Yoel	11/01/15	09/30/18	26,756	119,896	(0)
		6933613	C	P061094	PO# 7000334320	Barrett /Steven R. H.	10/01/15	09/30/18	0	11,733	0
		6933645	C	P065004	PO# 7000344422	Hart /Douglas	02/01/16	12/31/17	(70,337)	465,000	(601)
		6933706	C	P067952	PO# 7000345331	Shrobe /Howard E	01/01/16	03/31/19	16,123	100,000	770
		6933724	C	P068700	PO# 7000346015	Sra /Suvrit	01/01/16	08/31/19	17,941	283,185	147,327
		6934759	C	P060600	PO# 7000362193	Liu /Luqiao	08/01/16	07/31/18	(424)	130,000	(0)
		6935139	G	P067952	PO# 7000367982	O'Reilly /Una-May	10/01/16	09/30/19	19,951	130,000	36,522
		6935145	C	P065004	PO# 7000368802	Buie /Cullen	10/01/16	03/31/18	(45)	100,000	0
		6935235	C	P066000	PO# 7000370657	Hu /Juejun	10/01/16	09/30/19	134,793	405,000	31,847
		6935279	C	P060600	PO# 7000369000	Velasquez-Heller /Luis Fernand	10/01/16	05/31/20	115,433	480,000	116,829
		6935316	C	P267110	PO# 7000372082	Trumper /David L	09/01/16	10/31/19	36,236	223,318	27,152
		6935357	C	P267200	PO# 7000371273	Soljagic /Marin	10/01/16	03/31/19	80,981	270,000	0
		6935553	C	P067952	PO# 7000374874	Tedrake /Russell L	11/01/16	09/30/19	94,569	305,736	(34,370)
		6935579	C	P061093	PO# 7000374786	Hansman /Robert J	11/01/16	10/31/18	32,841	262,852	(0)
		6935644	C	P060600	PO# 7000376241	Han /Ruonan	12/01/16	09/30/18	6,068	113,000	(3)
		6935761	C	P061093	PO# 7000374786	Hansman /Robert J	11/01/16	10/31/18	(281)	55,270	0
		6935784	C	P067952	PO# 7000379430	Rus /Daniela L	02/01/17	01/31/20	34,025	60,000	8,783
		6935797	C	P066000	PO#7000370657	Hu /Juejun	01/31/17	09/30/18	0	0	0
		6935965	C	P267300	PO# 7000381569	Oliver /William D	10/01/16	09/30/19	288,125	675,000	(3,079)
		6936105	C	P267300	PO# 7000383604	Oliver /William D	02/01/17	08/31/18	19,452	220,000	0
		6936237	C	P066000	PO# 7000385831	Beach /Geoffrey Stephen	09/01/16	08/31/19	23,652	320,000	10,217
		6936301	C	P267300	PO# 7000385936	Oliver /William D	05/01/17	09/30/21	75,309	150,000	36,835
		6936327	C	P061094	PO# 7000386845	Balakrishnan /Hamsa	03/01/17	08/31/18	6,274	99,890	0
		6936395	C	P267200	PO# 7000387954	Ram /Rajeev J	10/01/16	09/30/19	3,812	43,100	(177)
		6936468	C	P061097	PO# 7000386377	Cahoy /Kerri	05/01/17	04/30/22	36,839	238,657	51,732
		6936545	C	P061090	PO# 7000389700	Masterson /Rebecca A	06/12/17	09/30/20	138,524	265,000	10,291
		6936560	C	P063007	PO# 7000390222	Entekhabi /Dara	01/15/17	01/14/20	0	25,376	0
		6936796	C	P267300	PO# 7000391952	Wormell /Gregory W	07/01/17	08/31/19	239,871	300,000	30,968
		6937081	C	P061090	PO# 7000397480	Stirling /Leia A.	09/01/17	10/31/18	16,578	90,000	(0)
		6937231	C	P031000	PO# 7000398589 / LETTEF	Mazereeuw /Miho	07/01/17	10/31/19	724,665	2,044,172	327,592
		6937317	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	(1,365)	10,217,987	10,219,353
		6937394	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	0	(5,019)
		6937395	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	6,438	0	(6,438)
		6937396	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	840	0	(7,520)
		6937398	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	51,089	0
		6937399	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	61,356	0
		6937400	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	209,929	0
		6937401	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	160,663	0
		6937402	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	385,942	(0)
		6937403	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	3,969	0

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		6937404	C	P401710	7000399771	Lonsdale /Colin John	10/01/17	09/30/22	0	38,541	(0)
		6937407	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	7,115	0	(11,311)
		6937411	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	21,233	0	(21,233)
		6937412	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	129,296	0	(219,354)
		6937455	C	P159900	PO# 7000401982	Formaggio /Joseph A	09/01/17	12/31/18	37,685	100,000	6,355
		6937456	C	P065004	PO# 7000396484	Gallant /Betar Maurkah	08/01/17	10/31/18	4,795	130,000	0
		6937457	C	P065004	PO# 7000401832	Hart /Douglas	09/01/17	12/31/18	2,424	100,000	(254)
		6937458	C	P065004	PO# 7000399580	Culpepper /Martin	09/01/17	12/31/18	49,943	89,543	0
		6937546	C	P152000	PO# 7000404029	Willard /Adam P.	11/01/17	02/28/19	52,279	83,890	(0)
		6937581	C	P067952	PO# 7000403560	Devadas /Srinivas	10/01/17	09/30/19	48,401	75,000	26,599
		6937583	C	P069850	PO# 7000404200	Gedik /Nuh	10/01/17	09/30/18	29,357	49,742	0
		6937639	C	P061097	PO# 7000404745	Miller /David W	10/01/17	09/30/18	22,918	124,920	(0)
		6937660	C	P068700	PO# 7000403338	Karaman /Sertac	10/01/17	09/30/19	155,096	325,000	71,942
		6937669	C	P068700	PO# 7000403439	Karaman /Sertac	10/01/17	09/30/18	27,460	120,000	0
		6937710	C	P267200	7000372082	Trumper /David L	11/20/17	08/31/18	771	6,682	0
		6937851	C	P060600	PO# 7000408525	Palacios /Tomas	11/01/17	01/31/19	79,408	120,000	(24,427)
		6937868	C	P069850	PO# 7000408566	Rupp /Jennifer Lilia Marguerit	12/01/17	11/30/18	128,644	129,939	(0)
		6937917	C	P067952	PO# 7000374874	Rus /Daniela L	10/01/17	09/30/19	111,313	98,632	(12,681)
		6937918	C	P067952	PO# 7000374874	Adelson /Edward H	10/01/17	09/30/19	37,326	98,632	(803)
		6937963	C	P067952	PO# 7000409620	Shrobe /Howard E	10/01/17	12/31/19	200,332	700,000	399,352
		6938037	C	P401710	PO# 7000399771	Lonsdale /Colin John	10/01/17	09/30/22	8,249	0	(8,249)
		6938038	C	P401710	PO# 7000399771	Lonsdale /Colin John	02/01/18	09/30/22	189,695	0	(189,695)
		6938341	C	P065004	PO# 7000407322	Anthony /Brian	09/01/17	03/31/19	73,467	136,000	(40,393)
		6938413	C	P417500	PO# 7000416344	Thompson /Carl Vernet	12/01/17	02/28/21	234,294	386,966	81,090
		6938418	C	P159600	PO# 7000416040	Evans /Matthew J	01/01/18	02/28/19	26,661	46,681	0
		6938424	C	P061097	PO# 7000416579	Cahoy /Kerri	03/15/18	08/31/18	23,622	34,945	(1,540)
		6938440	C	P061097	PO# 7000417636	Carlone /Luca	05/01/18	04/30/19	65,370	70,000	(0)
		6938470	C	P065004	PO# 7000407322	Anthony /Brian	09/01/17	03/31/19	2,890	34,000	31,110
		6938523	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	81,317	121,646	(1,807)
		6938524	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	94,445	131,915	914
		6938525	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	319,558	494,310	(6,301)
		6938526	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	269,352	416,138	6,642
		6938527	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	538,773	858,595	26,628
		6938528	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	11,218	13,088	1,870
		6938529	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/18	09/30/22	51,716	79,448	(1,152)
		6938561	C	P417500	PO# 7000419429	Agarwal /Anuradha	03/01/18	05/31/19	125,033	125,000	(33)
		6938640	C	P062000	PO# 7000420407	Manthiram /Karthish	04/01/18	05/31/19	167,576	130,000	(37,576)
		6938802	C	P069400	PO# 7000422783	Madnick /Stuart E	06/01/18	08/31/19	211,924	300,000	77,604
		6938865	C	P067952	PO# 7000423531	Glass /James R	06/01/18	05/31/19	130,147	130,000	(147)
		6938886	C	P401710	PO# 7000399771	Lonsdale /Colin John	06/18/18	09/30/22	41,038	0	(41,038)
		6938895	C	P267300	PO# 7000423938	Fink /Yoel	06/01/18	05/31/19	84,558	75,000	(9,558)
		6938988	C	P066000	PO# 7000426059	Hu /Juejun	09/01/18	08/31/19	50,044	50,000	(44)
		6939056	C	P267300	PO# 7000427377	Zheng /Lizhong	08/01/18	12/31/19	49,664	95,000	45,336
		6939164	C	P067952	PO# 7000427652	Vaikuntanathan /Vinod	09/01/18	08/31/19	73,275	75,000	1,725
		6939172	C	P401710	PO# 7000424794	Lonsdale /Colin John	06/01/18	08/31/19	29,054	61,026	31,972

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		6939173	C	P401710	PO# 7000425134	Lonsdale /Colin John	03/19/18	04/15/18	19,719	19,719	(0)
		6939822	C	P066000	PO#7000442873	Schuh /Christopher A	10/01/18	09/30/19	68,177	100,000	31,823
		6939912	C	P065005	PO #7000436744	Winter /Amos G	10/01/18	09/30/19	88,877	100,000	11,123
		6940185	C	P060600	PO# 7000441640	Velasquez-Heller /Luis Fernand	01/01/19	02/28/20	1,734	100,000	98,266
		6940197	C	P065004	PO# 7000441730	Brisson /John G	10/01/18	09/30/19	40,660	120,000	79,340
		6940223	C	P068700	PO# 7000443135	Carlone /Luca	12/01/18	11/30/19	5,617	120,000	114,383
		6940225	C	P067952	PO#7000442809	Devadas /Srinivas	01/01/19	12/31/19	0	75,000	75,000
		6940251	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	45,457	0	(45,457)
		6940252	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	52,897	0	(52,897)
		6940253	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	151,288	0	(151,288)
		6940254	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	163,622	0	(163,622)
		6940255	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	342,228	0	(342,228)
		6940257	C	P401710	PO# 7000399771	Lonsdale /Colin John	03/01/19	09/30/22	32,162	0	(32,162)
		6940258	C	P067952	PO# 7000443819	Leiserson /Charles E	10/01/18	09/30/19	0	50,000	50,000
		6940262	C	P065004	PO# 7000443563	Kim /Jeehwan	10/01/18	09/30/19	50,536	200,000	149,464
		6940354	C	P417500	PO# 7000445262	Gedik /Nuh	04/01/19	01/31/20	25,263	90,000	64,737
		6940387	C	P068700	PO# 7000443447	Carlone /Luca	12/01/18	11/30/19	39,112	108,000	68,888
		6940398	C	P060600	PO# 7000446862	Palacios /Tomas	11/01/18	10/31/19	1,377	25,001	23,624
		6940414	C	P267111	PO# 7000442717	Englund /Dirk R.	10/01/18	09/30/19	35,690	70,000	34,310
		6940512	C	P154500	PO#7000447700	Mansinghka /Vikash K	02/01/19	01/31/20	38,786	200,000	161,214
		6940757	C	P153000	PO# 7000452592	Ravela /Srinivas	02/01/19	08/31/19	4,570	39,748	35,178
	012159 Diversified Tec	6935088	C	P401710	AGREEMENT DATED 9-1-	Lind /Frank David	09/01/16	11/29/18	(11,508)	87,968	(0)
	<b>Total by Primary Sponsor</b>								<b>11,927,603</b>	<b>38,025,540</b>	<b>11,990,289</b>
000106 Air Force Office of Scientific Research - AFOSR	000106 Air Force Office of Scientific Research - AFOSR	6926803	G	P267600	FA9550-12-1-0499	Fujimoto /James G	09/30/12	03/29/18	(48,540)	685,925	0
		6929025	G	P154000	FA9550-14-1-0031	Spivak /David I	12/01/13	11/30/18	70,592	919,938	0
		6929196	G	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/20	1,035	226,393	225,359
		6929204	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	12/15/13	09/14/19	0	59,843	59,843
		6929344	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	12/15/13	09/14/19	434,729	2,141,769	(27,309)
		6929345	G	P267300	FA9550-14-1-0052	Shapiro /Jeffrey H	12/15/13	09/14/19	156,637	1,150,000	59,793
		6929346	G	P267111	FA9550-14-1-0052	Berggren /Karl K	12/15/13	09/14/19	245,305	1,329,828	77,275
		6929347	G	P267300	FA9550-14-1-0052	Lloyd /Seth	12/15/13	09/14/19	18,569	955,147	(0)
		6929348	G	P267300	FA9550-14-1-0052	Wong /Ngai Chuen	12/15/13	09/14/19	85,473	1,300,000	25,715
		6929349	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	12/15/13	12/14/18	224,456	1,367,118	535
		6929350	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	12/15/13	12/14/18	254,443	1,544,118	28,723
		6929351	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	12/15/13	09/14/19	531,551	1,766,618	24,454
		6929377	G	P065004	FA9550-14-1-0060	Del Vecchio /Domitilla	03/01/14	02/29/20	150,726	1,345,000	27,599
		6929541	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	03/06/14	03/14/16	0	147,361	0
		6929760	G	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/20	446,819	1,665,844	(164,538)
		6929761	G	P267100	FA9550-14-1-0035	Zwierlein /Martin Wolfram	02/15/14	03/31/20	176,091	1,030,000	300,757
		6929762	G	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/20	660,463	3,145,688	300,179
		6929763	G	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/20	461,522	1,942,117	116,476
		6929764	G	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/20	348,188	1,887,117	98,471
		6929766	G	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/20	63,031	897,117	325,118
		6929767	G	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	02/15/14	03/31/20	261,450	1,617,117	127,076
		6930289	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	07/01/14	12/14/16	0	18,432	0
		6930290	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	02/01/14	09/14/19	1,671	71,225	5,734
		6930421	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	07/24/14	12/14/16	0	7,749	0

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		6930585	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	08/05/14	12/14/16	0	4,345	0
		6930707	G	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	07/01/14	03/31/20	54,864	327,576	6,984
		6930806	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	09/15/14	12/14/18	0	9,621	0
		6930809	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	09/20/14	12/14/16	0	49,864	0
		6930848	G	P267100	FA9550-14-1-0035	Ketterle /Wolfgang	09/01/14	03/31/20	49,789	441,031	13,579
		6930911	G	P067952	FA9550-14-1-0403	Lynch /Nancy Ann	09/30/14	09/29/18	43,783	511,431	0
		6930912	G	P267300	FA9550-14-1-0403	Medard /Muriel	09/30/14	09/29/18	(130)	640,000	(0)
		6930946	G	P267100	FA9550-14-1-0035	Zwierlein /Martin Wolfram	02/15/14	06/30/18	313	280,000	(222,554)
		6930947	G	P267100	FA9550-14-1-0035	Zwierlein /Martin Wolfram	02/15/14	06/30/18	0	290,000	(48,168)
		6930948	G	P401710	FA9550-14-1-0192	Lonsdale /Colin John	07/01/14	09/29/18	(80)	676,253	(0)
		6931031	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	10/23/14	09/14/19	194	27,095	821
		6931131	G	P061901	FA9550-14-1-0060	Collins /James J.	03/01/14	02/29/20	194,543	1,000,000	141,059
		6931393	G	P061093	FA9550-15-1-0038	Willcox /Karen E	01/01/15	12/31/19	898,161	5,577,595	1,434,978
		6931408	G	P061093	FA9550-15-1-0038	Willcox /Karen E	01/01/15	12/31/18	3,672	596,318	(0)
		6931409	G	P061097	FA9550-15-1-0038	Marzouk /Youssef M	01/01/15	12/31/19	194,958	1,000,000	110,443
		6931640	G	P152000	FA9550-15-1-0135	Surendranath /Yogesh	04/01/15	09/30/18	8,940	360,000	0
		6931796	G	P243020	FA9550-15-1-0058	Temkin /Richard J	04/15/15	04/14/20	198,154	960,000	197,647
		6931821	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	04/01/15	09/14/19	68,791	144,817	11,136
		6931930	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	02/28/15	12/14/18	(4,325)	42,645	0
		6932362	G	P121012	FA9550-15-1-0276	Freund /Robert Michael	06/01/15	12/31/18	101,924	803,000	0
		6932456	G	P065005	FA9550-15-1-0310	Wang /Evelyn	06/01/15	08/31/18	8,495	401,746	0
		6932655	G	P267600	FA9550-15-1-0473	Fujimoto /James G	09/15/15	09/14/18	(24,777)	202,985	0
		6932832	G	P060600	FA9550-15-1-0514	Palacios /Tomas	06/30/15	09/29/20	0	1,130,310	1,119,041
		6933074	G	P243020	FA9550-15-1-0058	Temkin /Richard J	04/15/15	04/14/20	133	40,000	12,505
		6933128	G	P060600	FA9550-15-1-0514	Palacios /Tomas	09/30/15	09/29/20	51,805	310,913	80,761
		6933129	G	P060600	FA9550-15-1-0514	Palacios /Tomas	09/30/15	09/29/20	258,515	1,009,447	237,489
		6933130	G	P060600	FA9550-15-1-0514	Palacios /Tomas	09/30/15	09/29/20	135,769	1,009,447	386,712
		6933131	G	P060600	FA9550-15-1-0514	Palacios /Tomas	09/30/15	09/29/20	281,926	1,011,541	140,251
		6933132	G	P063007	FA9550-15-1-0514	Buehler /Markus J	06/30/15	09/29/20	272,399	1,009,448	253,198
		6933133	G	P267300	FA9550-15-1-0514	Kong /Jing	09/30/15	09/29/20	399,544	1,009,447	168,691
		6933134	G	P062000	FA9550-15-1-0514	Strano /Michael S.	09/30/15	09/29/20	252,844	1,009,448	10,993
		6933359	G	P065004	FA9550-14-1-0060	Del Vecchio /Domitilla	03/01/14	02/29/20	318,357	1,405,000	54,485
		6933363	G	P154500	FA9550-16-1-0012	Tenenbaum /Joshua B	06/18/15	12/14/18	93,582	599,710	0
		6933638	G	P061093	FA9550-16-1-0108	Willcox /Karen E	10/16/15	01/14/20	376,306	1,274,520	133,229
		6934116	G	P061093	FA9550-16-1-0214	Peraire /Jaime	06/01/16	05/31/20	231,978	461,807	135,159
		6934160	G	P065005	FA9550-16-1-0231	Sapsis /Themistoklis Panagioti	06/15/16	06/14/20	82,213	359,996	65,161
		6934233	G	P267110	FA9550-16-1-0228	Sze /Vivienne	06/01/16	06/14/19	88,117	359,959	(0)
		6934293	G	P060600	FA9550-16-1-0244	Akinwande /Akintunde I	06/15/16	12/14/18	(755)	0	0
		6934513	G	P267100	FA9550-16-1-0324	Zwierlein /Martin Wolfram	08/15/16	08/14/19	201,378	480,000	(39,404)
		6934530	G	P062000	FA9550-16-1-0208	Green /William H	08/15/16	08/14/20	165,086	350,000	61,362
		6934754	G	P061090	FA9550-16-1-0273	Lozano /Paulo C	06/15/16	08/14/18	2,901	259,973	0
		6934875	G	P069850	FA9550-16-1-0382	Jarillo-Herrero /Pablo	06/30/16	09/29/21	161,598	511,429	(67,024)
		6934975	G	P267111	FA9550-16-1-0391	Englund /Dirk R.	09/30/16	09/29/19	126,189	532,299	145,640
		6934995	G	P068000	FA9550-16-1-0427	Yildiz /Bilge	09/30/16	09/29/19	143,151	380,000	35,071
		6935053	G	P267111	FA9550-16-1-0391	Englund /Dirk R.	10/15/16	09/29/19	(205)	67,700	(2,180)
		6935290	G	P069850	FA9550-16-1-0382	Jarillo-Herrero /Pablo	06/30/16	07/31/18	0	13,571	1,696
		6935294	G	P154000	FA9550-17-1-0058	Spivak /David I	12/01/16	11/30/21	197,153	699,997	197,216



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		6935331	G	P067952	FA9550-17-1-0081	Winston /Patrick H	10/15/16	12/14/19	297,299	900,000	96,331
		6935598	G	P069850	FA9550-17-1-0136	England /Jeremy L.	01/15/17	01/14/20	252,352	741,165	164,505
		6935619	G	P065005	FA9550-17-1-0114	Sapsis /Themistoklis Panagioti	02/01/17	07/31/19	57,664	180,000	30,567
		6935858	G	P067952	FA9550-17-1-0165	Kaelbling /Leslie P	03/15/17	03/14/22	203,924	774,617	309,175
		6935946	G	P065005	FA9550-17-1-0192	Lloyd /Seth	04/01/17	03/31/20	29,398	298,131	201,526
		6936208	G	P267600	FA9550-12-1-0499	Kaertner /Franz X	09/01/16	03/29/18	0	18,489	0
		6936528	G	P066000	FA9550-17-1-0288	Macfarlane /Robert J	07/01/17	06/30/20	121,682	360,000	83,417
		6936667	G	P267111	FA9550-14-1-0052	Berggren /Karl K	02/01/17	09/14/19	646	7,650	(167)
		6937032	G	P154000	FA9550-17-1-0316	Demanet /Laurent	09/01/17	08/31/20	227,576	470,675	197,411
		6937184	G	P267600	FA9550-12-1-0499	Kaertner /Franz X	09/01/17	03/29/18	0	15,188	0
		6937280	G	P067952	FA9550-17-1-0362	Winston /Patrick H	09/15/17	09/14/20	249,849	1,073,822	666,726
		6937282	G	P267100	FA9550-17-1-0383	Vuletic /Vladan	09/30/17	09/28/18	13,371	340,945	0
		6937654	G	P401710	FA9550-18-1-0080	Lonsdale /Colin John	12/02/17	12/01/19	277,820	507,574	150,176
		6937705	G	P061093	FA9550-18-1-0023	Willcox /Karen E	12/01/17	11/30/20	88,982	235,492	89,402
		6937756	G	P061097	FA9550-18-1-0023	Marzouk /Youssef M	12/01/17	11/30/20	57,135	234,010	42,151
		6938701	G	P152000	FA9550-18-1-0341	Swager /Timothy M	05/15/18	05/14/20	210,600	450,123	187,801
		6938763	G	P060600	FA9550-16-1-0244	Akinwande /Akintunde I	06/15/16	12/14/18	173,381	225,000	0
		6938842	G	P267111	FA9550-18-1-0376	Englund /Dirk R.	06/15/18	06/13/20	0	334,013	334,013
		6938866	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	06/01/18	09/14/19	2,243	9,000	6,758
		6939053	G	P267100	FA9550-16-1-0324	Zwierlein /Martin Wolfram	08/15/17	08/14/19	122,628	120,000	(2,628)
		6939054	G	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	06/01/18	07/31/21	0	350,000	350,000
		6939070	G	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	08/01/18	07/31/21	224,655	185,287	(39,368)
		6939071	G	P267111	FA9550-18-1-0436	Berggren /Karl K	06/01/18	07/31/21	228,043	175,000	(53,043)
		6939072	G	P267111	FA9550-18-1-0436	Daniel /Luca	08/01/18	07/31/21	65,681	125,000	59,319
		6939073	G	P060600	FA9550-18-1-0436	Palacios /Tomas	08/01/18	07/31/21	194,736	200,000	5,264
		6939074	G	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	08/01/18	07/31/21	37,319	115,863	78,544
		6939075	G	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	08/01/18	07/31/21	84,583	134,100	49,517
		6939076	G	P060600	FA9550-18-1-0436	Akinwande /Akintunde I	08/01/18	07/31/21	28,550	214,750	186,200
		6939269	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	04/01/18	09/14/19	19,434	19,434	0
		6939560	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	12/11/17	12/14/18	6,751	6,751	0
		6940137	G	P060600	FA9550-19-1-0048	Liu /Luqiao	01/01/19	12/31/21	18,994	149,999	131,005
		6940138	G	P417500	FA9550-19-1-0063	Comin /Riccardo	10/01/18	12/31/21	59,863	150,000	90,137
		6940146	G	P267111	FA9550-19-1-0065	Keathley /Phillip Donald	12/15/18	12/14/21	74,995	137,500	62,505
		6940270	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	08/01/18	09/14/19	23,387	30,000	6,613
		6940324	G	P267111	FA9550-14-1-0052	Englund /Dirk R.	01/01/19	09/14/19	14,685	20,000	5,315
		6940375	G	P154000	FA9550-19-1-0113	Spivak /David I	04/01/19	03/31/22	23,001	179,999	156,998
		6940382	G	P061090	FA9550-19-1-0104	Lozano /Paulo C	03/15/19	03/14/22	29,884	300,000	270,116
		6940479	G	P267111	FA9550-19-1-0153	Englund /Dirk R.	06/15/19	06/14/20	0	74,790	74,790
		6940643	G	P121012	FA9550-19-1-0240	Freund /Robert Michael	07/01/19	06/30/22	0	123,872	123,872
		6940750	G	P154500	FA9550-19-1-0269	Tenenbaum /Joshua B	05/15/19	05/14/22	18,147	209,421	191,274
		6940882	G	P067952	FA9550-19-1-0319	Solomon /Justin	06/01/19	05/31/22	0	101,659	101,659
		6941028	G	P267111	FA9550-19-1-0065	Keathley /Phillip Donald	12/15/18	12/14/21	3,949	12,500	8,551
		6941029	G	P267111	FA9550-19-1-0153	Englund /Dirk R.	06/15/19	06/14/20	0	36,210	36,210
		6941093	G	P068700	FA9550-19-1-0263	Jaillet /Patrick	07/01/19	06/30/22	0	200,000	200,000
	005731 Emory Universit	6939259	G	P152000	A007735	Surendranath /Yogesh	08/01/18	07/31/19	0	0	0
		6939929	G	P152000	A007735	Surendranath /Yogesh	08/01/18	07/31/19	131,200	227,050	95,850
		6939930	G	P152000	A007735	Willard /Adam P.	08/01/18	07/31/19	70,086	135,450	65,364
	006959 Old Dominion U	6933167	G	P061901	16-137-300345-010	Weaver /James C	09/30/15	03/31/19	27,987	610,500	316

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	007233 Rutgers University	6936564	G	P400600	5562 / PO 467158	Pantazis /Dimitrios	02/15/17	02/14/18	(145)	125,058	1
	007618 University of Colorado	6934474	G	P152000	SUBAWARD NO. 1553954	Field /Robert W	04/01/16	03/31/20	102,006	244,000	12,087
	007633 University of Maryland	6935254	G	P267100	43830-Z8183003	Vuletic /Vladan	09/15/16	09/14/19	60,712	399,500	(12)
		6936839	G	P267100	43830-Z8183003	Vuletic /Vladan	09/15/16	09/14/19	97,884	120,000	16,647
	007637 University of Tennessee	6936108	C	P061097	UTA17-000362	Marzouk /Youssef M	03/15/17	03/14/20	45,786	349,880	131,071
	009001 Lincoln Laboratory	6928241	C	P065004	PO# 7000238989	Brisson /John G	03/01/13	01/15/19	33,322	175,000	8,174
	010351 University of Texas at Arlington	6935077	C	P401710	26-0201-51-65	Zhang /Shun-Rong	09/01/16	02/28/17	0	62,695	(0)
		6935770	C	P401710	26-0201-51-65	Zhang /Shun-Rong	03/01/17	02/28/18	0	115,575	
		6938479	C	P401710	26-0201-51-65	Zhang /Shun-Rong	03/01/18	02/28/19	84,519	120,291	0
		6940726	C	P401710	26-0201-51-65	Zhang /Shun-Rong	03/01/19	08/31/19	50,567	61,297	10,730
	010438 Boise State University	6933762	C	P060600	6856-PO124372	Akinwande /Akintunde I	02/15/16	02/14/19	37,808	150,000	(1,596)
		6940736	G	P060600	8583-PO132256	Akinwande /Akintunde I	04/15/19	04/14/20	12,108	80,000	67,892
Total by Primary Sponsor									14,478,509	70,388,071	11,446,399
000108 Air Force Research Laboratory	000108 Air Force Research Laboratory	6930429	C	P061093	FA8650-14-C-2472	Haimes /Robert	08/07/14	02/07/20	303,385	2,265,163	175,669
		6930849	G	P067952	FA8750-14-2-0242	Solar Lezama /Armando	09/30/14	09/30/18	399,002	3,236,928	0
		6932229	C	P067952	FA8650-15-C-7564	Rinard /Martin C	06/30/15	11/30/19	1,949,206	7,136,232	565,608
		6932678	G	P067952	FA8750-15-2-0272	Edelman /Alan	06/24/15	09/21/18	98,030	812,119	0
		6932885	G	P067952	FA8750-15-2-0272	Matusik /Wojciech	06/24/15	09/21/18	(3,226)	803,512	(0)
		6933809	G	P267111	FA8750-16-2-0141	Englund /Dirk R.	03/24/16	09/30/19	174,526	881,752	331,626
		6934286	G	P267111	FA8750-16-2-0141	Englund /Dirk R.	06/10/16	06/10/18	0	13,248	0
		6936227	G	P067952	FA8750-17-2-0126	Amarasinghe /Saman P	02/03/17	05/03/21	694,050	2,153,051	755,930
		6936229	C	P061093	FA8650-14-C-2472	Haimes /Robert	05/08/17	02/07/20	807,765	1,663,750	250,923
		6936511	G	P067952	FA8750-17-2-0126	Jegelka /Stefanie Sabrina	02/03/17	05/03/21	124,297	125,238	(28,856)
		6937011	G	P267600	FA8650-17-1-7713	Watts /Michael	09/29/17	09/29/19	220,454	688,619	379,096
		6937022	C	P069201	FA8750-17-C-0229	Voigt /Christopher A.	08/24/17	08/24/21	0	0	0
		6937179	C	P069201	FA8750-17-C-0229	Voigt /Christopher A.	08/24/17	08/24/21	229,711	1,209,425	677,232
		6937180	C	P069201	FA8750-17-C-0229	Voigt /Christopher A.	08/24/17	08/24/21	392,715	836,587	143,045
		6937181	C	P069201	FA8750-17-C-0229	Voigt /Christopher A.	08/24/17	08/24/21	494,361	1,105,081	424,958
		6937459	C	P154500	FA8750-17-C-0239	Mansinghka /Vikash K	09/27/17	06/01/19	501,512	1,330,024	113,075
		6937767	G	P267600	FA8650-17-1-7713	Watts /Michael	09/29/17	09/29/19	760,332	430,001	(359,031)
		6937768	G	P267600	FA8650-17-1-7713	Watts /Michael	09/29/17	09/29/19	74,550	99,400	0
		6938213	G	P267600	FA8650-17-1-7713	Watts /Michael	09/29/17	03/31/19	63,244	43,788	(33,500)
		6938358	G	P065004	FA9453-18-2-0017	Kim /Jeewhan	02/26/18	02/25/21	46,472	300,000	218,734
		6940614	G	P267111	FA8750-16-2-0141	Englund /Dirk R.	04/10/19	09/30/19	479	15,000	14,521
		6940953	G	P067952	FA8750-19-2-1000	Rus /Daniela L	05/17/19	05/16/24	0	1,515,600	1,515,600
		6941017	G	P067952	FA8750-19-2-1000	Rus /Daniela L	05/17/19	05/16/24	0	484,400	484,400
	004653 Universal Technology Corporation	6936095	C	P065004	17-S8401-05-C1	Annaswamy /Anuradha M	04/01/17	03/31/20	112,325	180,000	(34,394)
		6938155	C	P061093	18-S8401-15-C1	Leveson /Nancy G	02/01/18	01/31/19	41,540	75,087	(0)
	005222 Metis Design Corporation	6936775	C	P060600	SBIR AGMT EFF 8/27/17	Shulaker /Max M.	08/27/17	08/26/19	125,632	300,000	110,978
	005333 Brown University	6939420	G	P067952	SUBAWARD # 00001240	Kraska /Tim	05/01/18	07/31/19	206,411	370,271	163,860
	005678 Draper Laboratory	6937745	C	P066000	SC001-1138	Macfarlane /Robert J	09/01/17	07/31/19	24,558	35,000	4,755
	006349 Lockheed Martin	6935336	C	P067952	PO 4102738369	Shah /Julie A	10/01/16	09/30/18	62,136	334,893	0
	007255 Rice University	6933218	G	P067952	SUBAWARD NO. R19091	Mithal /Arvind	11/19/15	11/19/19	310,803	1,314,439	(51,967)
		6934370	G	P067952	SUBAWARD NO. R19091	Mithal /Arvind	11/19/15	11/19/17	0	0	0
	007615 University of Arizona	6940557	G	P061096	SUBAWARD NO. 506417	Linares /Richard	01/01/19	12/31/19	22,737	85,000	62,263
	007634 University of Nebraska	6933544	G	P065004	16-054	Hart /Anastasios John	12/15/15	12/14/18	49,216	219,065	0

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	007641 University of Mi	6936329	C	P061093	3004427924	Willcox /Karen E	01/15/17	07/14/19	139,544	359,887	1,058
	010340 UES, Inc.	6934325	C	P267200	SUBCONTRACT NO. S-11	Soljacic /Marin	08/16/17	03/31/19	11,509	20,843	(233)
		6937183	C	P267200	SUBCONTRACT NO. S-11	Soljacic /Marin	09/01/17	03/31/19	27,560	72,557	0
	011380 TIPD, LLC	6930803	C	P039000	AGREEMENT DATED 7/31	Bove /V Michael	07/31/14	12/04/18	5,234	210,000	0
		6941048	C	P039000	SUBCONTRACT UNDER F	Bove /V Michael	01/01/19	10/04/19	16,523	22,500	5,977
	011755 Securboracion	6937354	C	P067952	SUB UNDER AFRL CONF	Winston /Patrick H	10/01/17	06/28/19	43,185	80,000	264
	011882 BAE Systems	6933704	C	P067952	SUBCONTRACT NUMBER	Chlipala /Adam	11/24/15	11/23/19	0	0	0
		6933705	C	P067952	SUBCONTRACT NUMBER	Chlipala /Adam	11/24/15	01/31/17	0	183,837	(0)
		6935282	C	P067952	SUBCONTRACT NUMBER	Chlipala /Adam	11/14/16	11/25/17	0	205,424	0
		6937862	C	P067952	SUBCONTRACT NUMBER	Chlipala /Adam	11/26/17	11/30/18	124,928	279,799	(0)
		6939994	C	P067952	921019-11	Chlipala /Adam	11/24/18	11/23/19	190,984	241,954	50,970
	012060 Leidos, Inc.	6934135	C	P060600	PO10193198	Velasquez-Heller /Luis Fernand	11/27/16	09/27/18	59,330	556,773	0
	100563 Lockheed Marti	6937887	C	P067952	PO# 4103067458	Shah /Julie A	09/16/16	07/31/18	46,580	99,033	(0)
	100868 Utah State Univ	6934347	C	P061097	CP0039726	Cahoy /Kerri	06/16/16	04/30/18	(639)	109,992	0
	104062 SUNY: AIM Photonics	6933028	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	06/30/18	0	1,600,191	1,600,191
		6933045	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	01/31/17	0	1,102,408	1,102,408
		6933046	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	10/31/17	0	2,563,152	0
		6933048	G	P069850	AGMT. DTD. 3/22/2016	Kirchain /Randolph E	07/27/15	10/31/17	0	140,150	(0)
		6933049	G	P069850	AGMT. DTD. 3/22/2016	Agarwal /Anuradha	07/27/15	10/31/17	0	142,131	0
		6933050	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	10/31/17	0	0	0
		6934107	G	P060600	AGMT. DTD. 3/22/2016	Boning /Duane S	01/01/16	10/31/17	0	348,277	0
		6934109	G	P267111	AGMT. DTD. 3/22/2016	Daniel /Luca	01/01/16	10/31/17	0	314,086	(0)
		6934110	G	P267500	AGMT. DTD. 3/22/2016	White /Jacob K	01/01/16	10/31/17	0	195,325	(0)
		6934111	G	P267200	AGMT. DTD. 3/22/2016	Johnson /Steve	01/01/16	10/31/17	0	191,906	0
		6936138	G	P060600	AGMT. DTD. 3/22/2016	Boning /Duane S	01/01/17	05/31/18	0	63,760	(0)
		6936140	G	P267111	AGMT. DTD. 3/22/2016	Daniel /Luca	01/01/17	05/31/18	0	61	(0)
		6936141	G	P267500	AGMT. DTD. 3/22/2016	White /Jacob K	01/01/17	05/31/18	0	0	0
		6936142	G	P267110	AGMT. DTD. 3/22/2016	Johnson /Steven G	01/01/17	05/31/18	0	7,270	0
		6936145	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/17	06/30/18	(3,944)	725,448	(1,258)
		6936146	G	P069850	AGMT. DTD. 3/22/2016	Kirchain /Randolph E	01/01/17	12/31/17	0	24,764	0
		6936147	G	P069850	AGMT. DTD. 3/22/2016	Agarwal /Anuradha	01/01/17	12/31/17	0	65,066	0
		6936148	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/17	01/31/18	0	95,200	(0)
		6936149	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/17	12/31/17	0	6,500	0
		6937904	G	P060600	AGMT. DTD. 3/22/2016	Boning /Duane S	01/01/18	06/30/19	133,476	225,000	332
		6937909	G	P267500	AGMT. DTD. 3/22/2016	White /Jacob K	01/01/18	12/31/18	41,942	50,000	5,589
		6937910	G	P267111	AGMT. DTD. 3/22/2016	Daniel /Luca	01/01/18	12/31/18	54,580	125,000	0
		6938269	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/18	12/31/18	918,494	2,771,653	1,086,982
		6940843	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/19	12/31/19	0	0	0
		6940845	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/19	12/31/19	580,498	1,600,151	1,019,653
	<b>Total by Primary Sponsor</b>								<b>10,676,007</b>	<b>44,862,772</b>	<b>10,756,459</b>
000113 Asian Office of Aerospace Research and Development	000113 Asian Office of	6936219	G	P065004	FA2386-17-1-4661	Kim /Sangbae	04/25/17	04/24/20	130,019	600,000	93,742
	012206 National ICT Au	6931992	G	P067952	AGREEMENT DATED 5/14	Williams /Brian C	05/14/15	05/13/18	(81)	181,698	(0)
	<b>Total by Primary Sponsor</b>								<b>129,938</b>	<b>781,698</b>	<b>93,742</b>
000120 Army	000120 Army	6932104	G	P267500	W31P4Q-16-1-0001	Hu /Qing	06/09/15	11/30/18	131,129	1,578,092	0

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		6932834	G	P267500	W31P4Q-16-1-0001	Hu /Qing	10/01/15	11/30/18	180,014	794,665	0
		6932835	G	P267500	W31P4Q-16-1-0001	Hu /Qing	10/01/15	11/30/18	161,213	449,657	0
		6934742	G	P121400	W911NF-16-2-0176	Carroll /John Stephen	06/01/16	08/08/20	425,911	1,730,000	685,433
		6939282	G	P267300	W911NF1810411	Oliver /William D	08/01/18	07/31/20	375,161	983,847	608,686
		6939283	G	P267300	W911NF1810411	Oliver /William D	08/01/18	07/31/20	69,872	316,153	246,281
		6940421	G	P063000	W911NF1920098	Buehler /Markus J	03/15/19	03/14/22	5,089	90,000	84,911
		6940964	G	P402000	AGREEMENT NO. W91321	Manalis /Scott R	07/01/19	06/30/20	0	40,000	40,000
	004367 Sri International	6931008	C	P067952	SUBCONTRACT 27-00144	Shrobe /Howard E	10/08/14	10/08/19	115,593	845,425	73,697
	007533 University of California-Santa Barbara	6940457	G	P069201	SUBAWARD NO. KK1955	Lauffenburger /Douglas A	12/01/18	11/30/19	0	0	0
		6940558	G	P165000	SUBAWARD NO. KK1954	Ribbeck /Katharina	12/01/18	11/30/19	94,676	170,000	75,324
		6940559	G	P165000	SUBAWARD NO. KK1954	Bathe /Mark	12/01/18	11/30/19	5,833	90,000	84,167
		6940560	G	P066000	SUBAWARD NO. KK1954	Macfarlane /Robert J	12/01/18	11/30/19	3,082	90,000	86,918
		6940561	G	P069201	SUBAWARD NO. KK1954	Lauffenburger /Douglas A	12/01/18	11/30/19	96,434	190,000	93,566
		6940562	G	P069201	SUBAWARD NO. KK1954	Voigt /Christopher A.	12/01/18	11/30/19	88,959	170,000	81,041
	007625 University of California	6929254	C	P066000	KK9151	Belcher /Angela M	12/01/13	11/30/18	0	2,731	2,731
		6929258	C	P069200	KK9151-31	Fraenkel /Ernest	12/01/13	03/31/15	0	90,239	0
		6929263	C	P066000	KK9151-33	Belcher /Angela M	12/01/13	11/30/16	0	548,682	(0)
		6929266	C	P065004	KK9151-35	Buie /Cullen	12/01/13	03/31/15	0	100,000	0
		6929267	C	P062000	KK9151-35	Doyle /Patrick S	12/01/13	11/30/16	0	318,456	(0)
		6929268	C	P062000	KK9151-35	Prather /Kristala L	12/01/13	11/30/16	0	243,492	0
	<b>Total by Primary Sponsor</b>								<b>1,752,966</b>	<b>8,841,439</b>	<b>2,162,754</b>
000124 Army Research Office	000124 Army Research Office	6924314	G	P267600	W911NF-11-1-0281	Lu /Timothy K	08/01/11	07/31/18	(74,924)	1,099,164	0
		6924551	G	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	05/31/20	1,975	17,597	(1,975)
		6924603	G	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	05/31/20	143,100	1,610,820	189,340
		6924604	G	P267100	W911NF-11-1-0400	Vuletic /Vladan	09/01/11	08/10/17	0	686,816	(0)
		6924605	G	P267300	W911NF-11-1-0400	Lloyd /Seth	09/01/11	02/28/17	0	425,000	0
		6924606	G	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	02/28/17	0	668,471	0
		6924607	G	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	05/31/20	300,000	3,898,142	300,422
		6924608	G	P267100	W911NF-11-1-0400	Cappellaro /Paola	09/01/11	05/31/18	0	393,193	1,230
		6926093	G	P069201	W911NF-12-2-0039	Griffith /Linda G	06/01/12	12/31/18	81,317	9,732,074	599
		6928382	G	P267100	W911NF-11-1-0400	Cappellaro /Paola	07/01/13	08/31/14	0	49,209	0
		6930265	G	P060600	W911NF-14-2-0071	Palacios /Tomas	07/01/14	06/30/18	(77,723)	431,000	(0)
		6930316	G	P267100	W911NF-14-1-0344	Vuletic /Vladan	07/01/14	06/30/18	(1,324)	502,563	0
		6930353	G	P267100	W911NF-14-1-0344	Vuletic /Vladan	07/01/14	06/30/18	28,037	291,922	0
		6931773	G	P069850	W911NF-15-1-0128	Gedik /Nuh	05/01/15	04/30/20	83,567	674,997	115,061
		6931898	G	P065004	W911NF-15-1-0166	Hosoi /Anette E	04/29/15	06/28/19	148,735	835,508	3,172
		6931906	G	P065004	W911NF-15-1-0196	Kamrin /Kenneth N	03/01/15	07/05/19	67,404	440,075	(478)
		6932433	G	P067952	W911NF-15-1-0166	Tedrake /Russell L	04/29/15	06/28/19	0	236,864	411
		6933386	G	P069850	W911NF-16-1-0034	Checkelsky /Joseph	01/01/16	12/31/19	23,853	518,528	79,111
		6933559	G	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/17/16	08/16/20	876,307	2,645,514	517,618
		6933680	G	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/17/16	12/16/18	0	614,144	0
		6933681	G	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/17/16	08/16/20	385,265	1,252,432	406,052
		6933682	G	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/17/16	08/16/20	68,105	423,878	148,921
		6933683	G	P062000	W911NF-16-2-0023	Myerson /Allan S.	02/17/16	08/16/20	250,447	955,365	197,979
		6933684	G	P152000	W911NF-16-2-0023	Jamison /Timothy F	02/17/16	08/16/20	245,412	2,079,177	645,701
		6933685	G	P062000	W911NF-16-2-0023	Green /William H	02/17/16	08/16/20	294,628	1,053,441	350,025
		6933686	G	P062000	W911NF-16-2-0023	Braatz /Richard D	02/17/16	08/16/20	148,448	1,074,420	332,216

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		6933687	G	P067952	W911NF-16-2-0023	Barzilay /Regina	02/17/16	08/16/20	339,256	872,533	164,305
		6933688	G	P067952	W911NF-16-2-0023	Jaakkola /Tommi S	02/17/16	08/16/20	102,191	651,227	237,326
		6934570	G	P065004	W911NF-16-1-0440	Kamrin /Kenneth N	08/01/16	08/31/20	152,675	364,361	65,379
		6934600	G	P153000	W911NF-16-1-0440	Perron /Jay Taylor	08/01/16	08/31/20	160,452	299,468	(26,508)
		6934825	G	P267111	W911NF-16-2-0192	Berggren /Karl K	08/15/16	08/14/19	275,093	964,693	272,923
		6934968	G	P039020	W911NF-16-1-0568	Gershenfeld /Neil A	07/01/16	09/11/19	357,692	1,449,514	26,427
		6934973	G	P267111	W911NF-16-2-0192	Berggren /Karl K	08/15/16	08/14/19	124,450	400,093	67,573
		6935061	G	P062000	W911NF-16-2-0023	Jensen /Klavs F	10/01/16	08/16/20	9,584	224,313	4,820
		6935636	G	P039020	W911NF-16-1-0568	Gershenfeld /Neil A	07/01/16	08/02/17	0	43,472	0
		6935719	G	P067952	W911NF-17-1-0068	Solomon /Justin	01/02/17	01/31/20	135,921	360,000	(11,751)
		6935977	G	P039070	W911NF-17-2-0043	Herr /Hugh M	01/01/17	03/14/17	(275)	31,457	0
		6935978	G	P039070	W911NF-17-2-0043	Herr /Hugh M	03/15/17	09/05/19	841,724	1,935,851	340,438
		6936119	G	P152000	W911NF-17-1-0174	Dinca /Mircea	05/01/17	10/31/19	156,630	375,000	(11,045)
		6936242	G	P069850	W911NF-17-1-0223	Tuller /Harry L	05/01/17	06/30/19	35,969	108,617	12,238
		6936298	G	P069850	W911NF-17-1-0223	Yildiz /Bilge	05/01/17	06/30/19	36,610	71,383	2,917
		6936322	G	P039070	W911NF-17-2-0043	Herr /Hugh M	03/15/17	09/05/19	35,674	182,691	19,496
		6936348	G	P069201	W911NF-17-2-0077	Voigt /Christopher A.	05/15/17	09/14/19	0	3	3
		6936360	G	P267111	W911NF-17-1-0268	Englund /Dirk R.	05/15/17	05/14/19	(66,729)	187,092	(84)
		6936450	G	P069201	W911NF-17-2-0077	Voigt /Christopher A.	05/15/17	09/14/19	44,041	109,999	(243)
		6936451	G	P069201	W911NF-17-2-0077	Voigt /Christopher A.	05/15/17	09/14/19	24,776	72,622	(7,216)
		6936452	G	P069201	W911NF-17-2-0077	Voigt /Christopher A.	05/15/17	09/14/19	177,457	332,183	(6,550)
		6936453	G	P069201	W911NF-17-2-0077	Voigt /Christopher A.	05/15/17	09/14/19	11,617	72,622	2,487
		6936454	G	P069201	W911NF-17-2-0077	Voigt /Christopher A.	05/15/17	09/14/19	26,260	91,972	18,097
		6936455	G	P069201	W911NF-17-2-0077	Lu /Timothy K	05/15/17	09/14/19	23,546	68,214	0
		6936456	G	P069201	W911NF-17-2-0077	Lu /Timothy K	05/15/17	09/14/19	33,205	136,699	(0)
		6936457	G	P069201	W911NF-17-2-0077	Lu /Timothy K	05/15/17	09/14/19	24,652	68,403	0
		6936458	G	P069201	W911NF-17-2-0077	Oxman /Neri	05/15/17	09/14/19	139,441	324,972	19,600
		6936459	G	P069201	W911NF-17-2-0077	Oxman /Neri	05/15/17	09/14/19	128,011	313,007	18,977
		6936460	G	P069201	W911NF-17-2-0077	Buie /Cullen	05/15/17	09/14/19	8,267	83,997	(868)
		6936461	G	P069201	W911NF-17-2-0077	Buie /Cullen	05/15/17	09/14/19	10,426	116,614	(3,782)
		6936639	G	P069201	W911NF-17-2-0098	Weiss /Ron	05/16/17	05/15/19	201,279	296,312	(2,829)
		6936640	G	P069201	W911NF-17-2-0098	Weiss /Ron	05/16/17	05/15/19	245,970	388,587	(2,343)
		6936641	G	P069201	W911NF-17-2-0098	Weiss /Ron	05/16/17	05/15/19	136,915	186,211	3,686
		6936642	G	P069201	W911NF-17-2-0098	Weiss /Ron	05/16/17	05/15/19	70,924	116,527	2,768
		6936643	G	P069201	W911NF-17-2-0098	Weiss /Ron	05/16/17	05/15/19	411,521	876,752	54,928
		6936644	G	P069201	W911NF-17-2-0098	Weiss /Ron	05/16/17	05/15/19	124,810	148,694	7,935
		6936645	G	P069201	W911NF-17-2-0098	Weiss /Ron	05/16/17	05/15/19	204,223	284,832	1,106
		6936646	G	P069201	W911NF-17-2-0098	Boyden /Edward	05/16/17	05/15/19	(42,248)	40,224	0
		6936647	G	P069201	W911NF-17-2-0098	Boyden /Edward	05/16/17	05/15/19	(18,556)	10,564	0
		6936997	G	P069201	W911NF-12-2-0039	Griffith /Linda G	06/01/12	12/31/18	401,611	1,403,599	(0)
		6937086	G	P159900	W911NF-17-1-0433	Harrow /Aram W.	08/28/17	08/27/20	349,906	645,082	148,817
		6937115	G	P267111	W911NF-17-1-0435	Englund /Dirk R.	09/05/17	09/04/20	134,312	205,600	42,684
		6937147	G	P152000	W911NF-17-1-0521	Johnson /Jeremiah A.	10/01/17	09/30/19	135,041	240,000	13,381
		6937274	G	P065005	W911NF-17-1-0527	Lloyd /Seth	09/29/17	09/28/20	204,807	1,500,000	1,136,371
		6937379	G	P151040	W911NF-12-2-0039	Jaenisch /Rudolf	06/01/12	08/31/18	58,312	64,833	(0)
		6937522	G	P068700	W911NF-17-1-0508	Modiano /Eytan H	09/25/17	01/24/20	96,783	231,320	102,050
		6937606	G	P069850	W911NF-16-1-0034	Checkelsky /Joseph	11/01/17	03/31/19	11,522	30,970	(1,178)
		6937871	G	P067952	W911NF-18-1-0063	Broderick /Tamara A	12/30/17	12/29/19	122,213	227,308	17,896

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		6938067	G	P417000	W911NF-18-2-0055	Strano /Michael S.	01/16/18	01/15/21	188,337	166,667	(46,510)
		6938153	G	P062000	W911NF-16-2-0023	Myerson /Allan S.	02/12/18	08/16/20	346,954	766,525	366,170
		6938154	G	P062000	W911NF-16-2-0023	Jensen /Klavs F	02/12/18	02/16/20	95,927	94,560	(2,675)
		6938222	G	P062000	W911NF-16-2-0023	Jensen /Klavs F	03/01/18	02/16/20	95,289	104,560	(11,899)
		6938355	G	P065004	W911NF-18-1-0118	Kamrin /Kenneth N	03/01/18	11/01/19	80,085	110,000	24,848
		6938399	G	P267300	W911NF-18-1-0116	Oliver /William D	04/01/18	03/31/20	344,905	557,073	164,375
		6938513	G	P158000	W911NF-18-1-0116	Levitov /Leonid	04/01/18	03/31/20	107,251	270,000	148,434
		6938515	G	P158000	W911NF-18-1-0116	Jarillo-Herrero /Pablo	04/01/18	03/31/20	73,920	350,000	261,021
		6938658	G	P066000	W911NF1810197	Macfarlane /Robert J	06/01/18	05/31/19	102,906	107,456	4,550
		6938817	G	P069201	W911NF-17-2-0077	Buie /Cullen	05/15/18	09/14/19	152,501	200,490	47,990
		6938818	G	P069201	W911NF-17-2-0077	Voigt /Christopher A.	05/15/18	09/14/19	139,753	149,559	(5,270)
		6938819	G	P069201	W911NF-17-2-0077	Lu /Timothy K	05/15/18	09/14/19	175,295	268,221	88,721
		6938893	G	P267111	W911NF-17-1-0268	Englund /Dirk R.	03/15/18	05/14/19	62,908	62,908	0
		6939264	G	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	08/31/21	5,032	0	(5,032)
		6939278	G	P267111	W911NF-17-1-0435	Englund /Dirk R.	09/05/17	08/01/19	11,263	14,400	3,137
		6939336	G	P165000	W911NF1810436	Bathe /Mark	09/10/18	09/09/19	39,707	70,000	30,293
		6939390	G	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	08/31/21	103,953	194,801	90,848
		6939391	G	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	08/31/21	94,058	194,801	100,743
		6939392	G	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	08/31/21	60,453	105,877	45,424
		6939636	G	P068700	W911NF-18-1-0407	Ozdaglar /Asuman E	09/01/18	07/27/20	110,779	170,000	59,221
		6939637	G	P069201	W911NF-18-2-0257	Weiss /Ron	10/01/18	12/31/19	0	248,908	248,908
		6939717	G	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	08/31/21	190,389	227,020	36,631
		6939718	G	P267300	W911NF1810432	Kong /Jing	06/03/18	08/31/21	211,231	217,500	6,269
		6939805	G	P068700	W911NF-18-2-0257	Sra /Suvrit	10/01/18	09/30/19	19,992	44,362	24,370
		6939806	G	P069201	W911NF-18-2-0257	Weiss /Ron	10/01/18	09/30/19	122,361	145,720	23,359
		6939809	G	P069201	W911NF-18-2-0257	Weiss /Ron	07/01/18	09/30/19	1,670	59,918	58,248
		6939911	G	P267111	W911NF1810432	Englund /Dirk R.	06/03/18	12/31/20	11,634	10,000	(1,634)
		6940026	G	P062000	W911NF1920034	Jensen /Klavs F	10/01/18	11/30/19	115,522	158,108	42,586
		6940072	G	P243021	W911NF1920041	Moodera /Jagadeesh	09/10/18	12/09/19	45,998	100,000	54,002
		6940076	G	P069400	W911NF-19-1-0057	Jadbabaie-Moghadam /Ali	10/01/18	12/31/21	109,351	190,000	80,649
		6940226	G	P065005	W911NF-19-1-0098	Patera /Anthony T	02/01/19	01/31/20	82,925	162,000	79,075
		6940377	G	P068700	W911NF1910156	Modiano /Eytan H	12/15/18	03/14/20	0	0	0
		6940478	G	P069201	W911NF1920105	Voigt /Christopher A.	03/18/19	06/17/20	39,871	287,372	247,501
		6940504	G	P068700	W911NF1910156	Modiano /Eytan H	12/15/18	03/14/20	529	150,715	150,187
		6940514	G	P069201	W911NF1920105	Voigt /Christopher A.	03/18/19	06/17/20	3,777	232,691	228,914
		6940622	G	P069400	W911NF1910217	Jadbabaie-Moghadam /Ali	03/01/19	05/31/22	0	0	0
		6940663	G	P267111	W911NF-16-2-0192	Berggren /Karl K	04/22/19	06/30/19	12,723	13,500	777
		6940691	G	P069400	W911NF1910217	Jadbabaie-Moghadam /Ali	03/01/19	05/31/22	69,188	312,500	243,312
		6940722	G	P065004	W911NF-19-1-0311	Gallant /Betar Maurkah	05/15/19	05/14/20	10,531	25,000	14,469
		6940854	G	P068700	W911NF-19-1-0322	Karaman /Sertac	05/29/19	05/28/22	0	100,000	100,000
	002930 General Dynamics	6936534	G	P067952	PO# 40279278	Roy /Nicholas	01/01/17	10/31/19	405,397	440,023	(150,025)
		6936535	G	P067952	PO# 40279278	Roy /Nicholas	01/01/17	10/31/19	70,240	150,007	29,727
		6936536	G	P067952	PO# 40279278	Roy /Nicholas	01/01/17	10/31/19	29,555	100,000	(39,840)
		6936537	G	P065004	PO# 40279278	Kim /Sangbae	01/01/17	10/31/19	0	90,000	57,661
		6940646	G	P067952	PO# 40279278	Roy /Nicholas	03/12/19	04/15/20	0	310,896	310,896
	005408 California Instit	6939667	G	P417500	S396000	Gedik /Nuh	09/11/18	08/31/19	9,831	183,925	174,094
	005423 Carnegie-Mellon	6936649	C	P122030	SUBAWARD NO. 1130207-	Malone /Thomas W	02/27/17	02/26/19	95,247	150,000	0
	005508 Columbia University	6926974	G	P267111	2 (GG008784) / PO G1034	Englund /Dirk R.	10/01/12	03/31/19	0	105,831	(0)
		6927216	G	P267111	2 (GG008784) / PO G1034	Englund /Dirk R.	10/01/12	03/31/19	32,412	367,899	0

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005690 Duke University 005935 Georgia Institute of Technology 005997 BBN Technologies Corporation 006112 Harvard Medical School 006120 Harvard University 006875 Northeastern University 007533 University of California-Santa Barbara 007623 University of Chicago 007625 University of California		6927968	G	P267300	2 (GG008784)	Englund /Dirk R.	10/01/12	09/30/15	0	14,680	0
	005690 Duke University	6939801	G	P267300	313-0837	Oliver /William D	09/01/18	08/31/19	78,769	197,335	118,566
	005935 Georgia Institute of Technology	6938646	G	P069850	RJ736-G1	England /Jeremy L.	04/01/18	03/31/19	41,195	41,195	(0)
	005997 BBN Technologies Corporation	6932293	C	P267111	PO 9500012484 : BBN REF	Berggren /Karl K	07/21/14	11/04/17	(5,651)	290,093	(0)
		6937779	C	P267111	PO LBN9512484 : BBN REF ID #14400	Berggren /Karl K	07/21/14	12/31/18	43,534	160,000	0
	006112 Harvard Medical School	6936761	G	P061902	GEORGE_CHAO_153170	Greenberg /Julie E	06/01/17	05/31/18	0	64,146	0
	006120 Harvard University	6932898	G	P267111	134062-5093041	Englund /Dirk R.	09/10/15	12/09/16	0	0	0
		6933226	G	P267111	134062-5093041	Englund /Dirk R.	09/10/15	12/09/16	0	257,884	(0)
		6933227	G	P267100	134062-5093041	Cappellaro /Paola	09/10/15	12/09/16	0	80,225	0
		6933228	G	P039070	134062-5093041	Boyden /Edward	09/10/15	12/09/16	0	242,803	0
		6936171	G	P267111	134062-5093041	Englund /Dirk R.	12/10/16	09/09/18	39,310	265,635	24,040
		6936173	G	P039070	134062-5093041	Boyden /Edward	12/10/16	09/09/18	102,471	285,635	2
		6936185	G	P267100	134062-5093041	Cappellaro /Paola	12/10/16	09/09/18	62,300	102,817	(32)
		6936312	G	P267111	134062-5093041	Englund /Dirk R.	05/01/17	09/09/18	5,310	20,000	(11,460)
		6939434	G	P069850	134119-5110647	Jarillo-Herrero /Pablo	07/01/18	06/30/19	53,102	91,375	38,273
	006875 Northeastern University	6937601	G	P417000	504126-78055	Schuh /Christopher A	10/01/17	03/29/19	55,245	200,000	109,338
		6940208	G	P417000	504126-78055	Schuh /Christopher A	10/01/18	12/31/19	89,444	300,000	210,556
	007533 University of California-Santa Barbara	6932998	G	P122030	KK1622	Malone /Thomas W	09/15/15	04/14/21	196,255	792,955	63,851
		6935172	G	P400600	KK1713	Graybiel /Ann M	09/01/16	08/31/19	176,120	740,000	129,277
		6937076	G	P065005	KK1808	Sapsis /Themistoklis Panagioti	08/01/17	07/31/20	317,488	437,500	(66,221)
		6940747	C	P069201	SUBAWARD NO. KK1957	Lauffenburger /Douglas A	12/01/18	10/31/21	0	0	0
		6940755	C	P069201	SUBAWARD NO. KK1956	Lauffenburger /Douglas A	02/14/19	02/13/21	0	580,000	580,000
		6940756	C	P069201	SUBAWARD NO. KK1956	Lauffenburger /Douglas A	12/01/18	10/31/21	0	126,000	126,000
	007623 University of Chicago	6929146	G	P267100	FP054294-C	Ketterle /Wolfgang	10/18/13	07/31/19	14,445	567,720	665
		6930248	G	P267100	FP054294-C	Ketterle /Wolfgang	04/01/14	07/31/19	10,866	386,681	261
	007625 University of California	6919767	C	P402010	KK9151-1	Manalis /Scott R	12/01/08	06/30/14	0	1,290,278	(0)
		6919782	C	P066000	KK9151-7	Belcher /Angela M	12/12/08	06/30/14	0	162,347	0
		6919783	C	P069200	KK9151	Lauffenburger /Douglas A	12/12/08	06/30/14	0	1,073,148	(0)
		6919784	C	P066000	KK9151	Belcher /Angela M	12/12/08	06/30/14	0	1,017,368	(0)
		6919785	C	P066000	KK9151	Belcher /Angela M	12/12/08	06/30/14	0	1,181,026	0
		6920091	C	P066000	KK9151-13	Belcher /Angela M	05/18/09	03/31/13	0	270,000	0
		6923979	C	P069200	KK9151	Fraenkel /Ernest	12/01/10	06/30/14	0	378,161	0
		6923986	C	P062000	KK9151	Prather /Kristala L	12/01/10	06/30/14	0	406,710	0
		6923987	C	P062000	KK9151	Doyle /Patrick S	12/01/10	06/30/14	0	329,608	0
		6924037	C	P066000	KK9151	Ortiz /Christine	12/12/08	06/30/14	0	325,515	(0)
		6924426	C	P066000	KK9151-22	Belcher /Angela M	06/14/11	06/13/12	0	250,329	0
		6925494	C	P069200	KK9151	Voigt /Christopher A.	12/01/11	06/30/14	0	229,485	(0)
		6925721	C	P069200	KK9151-1	Weiss /Ron	12/01/08	06/30/14	0	276,549	(0)
		6925894	C	P066000	KK9151-24	Belcher /Angela M	05/01/12	12/31/15	44	434,329	(0)
		6926410	C	P069200	KK9151-24	Lauffenburger /Douglas A	05/01/12	12/31/15	(6,374)	585,998	0
		6927066	C	P065004	KK9151	Buie /Cullen	12/01/10	06/30/14	0	105,602	0
		6929256	C	P069201	KK9151-30	Lauffenburger /Douglas A	12/01/13	11/30/18	8,482	85,435	(0)
		6929257	C	P069201	KK9151-31	Lauffenburger /Douglas A	12/01/13	11/30/18	33,151	1,091,322	(0)
		6929260	C	P069201	KK9151-31	Voigt /Christopher A.	12/01/13	11/30/18	54,185	532,929	0
		6929261	C	P069201	KK9151-31	Weiss /Ron	12/01/13	11/30/16	0	341,316	(0)
		6929262	C	P066000	KK9151-33	Belcher /Angela M	12/01/13	11/30/18	126,711	783,931	0
		6929264	C	P066000	KK9151-34	Ortiz /Christine	12/01/13	03/31/15	0	38,701	(0)

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		6929265	C	P402010	KK9151-35	Manalis /Scott R	12/01/13	11/30/18	85,944	952,222	0
		6933077	C	P062000	KK9151-44	Prather /Kristala L	09/02/15	12/31/19	246,232	566,000	23,929
		6938164	C	P069201	KK9151	Voigt /Christopher A.	07/01/16	11/30/18	129,613	234,399	(613)
	007630 University of Pennsylvania	6926839	G	P091000	560102	Acemoglu /K. Daron	09/01/12	09/06/19	18,460	670,440	118,540
		6927220	G	P068700	560102	Ozdaglar /Asuman E	09/01/12	09/06/19	189,000	667,524	1,926
		6927221	G	P068700	560102	Dahleh /Munther A	09/01/12	09/06/19	38,523	486,024	7,409
		6927407	G	P095500	560102	Christia /Fotini	09/01/12	09/06/19	29,656	486,024	(30)
		6937858	G	P068700	560102	Jadbabaie-Moghadam /Ali	10/01/17	09/06/19	255,873	347,546	(12,568)
	007639 University of Washington	6931394	G	P065004	BPO4415, SUB# UWSC796	Alvarado /Jose Ramon	08/01/14	10/15/15	0	126,736	(0)
		6933157	G	P065004	BPO4415, SUB# UWSC796	Hosoi /Anette E	10/16/15	11/01/19	43,158	417,889	23,487
	007739 University of Sydney	6932130	G	P267300	G174385 RESEARCH COL	Orlando /Terry Philip	10/06/14	10/05/15	0	162,412	0
		6933550	G	P267300	G174385 RESEARCH COL	Orlando /Terry Philip	10/06/15	10/05/16	0	104,276	0
		6935365	G	P267300	G174385 RESEARCH COL	Orlando /Terry Philip	10/06/16	10/05/17	0	635,318	0
		6937861	G	P267300	G174385 RESEARCH COL	Oliver /William D	10/06/17	04/05/20	304,968	200,598	(294,750)
		6940958	G	P267300	G174385 RESEARCH COL	Oliver /William D	06/01/19	09/30/19	3,142	471,745	468,603
	007741 University of Maryland - College Park	6932890	G	P267100	2875-Z8401005	Vuletic /Vladan	06/26/15	06/30/19	140,604	467,144	33,481
		6932951	G	P267111	28725-Z8401005	Englund /Dirk R.	06/26/15	06/30/19	138,217	710,365	91,650
		6933648	G	P267100	2875-Z8401005	Vuletic /Vladan	06/26/15	06/30/19	28,006	350,000	23,593
		6934535	G	P267111	28725-Z8401005	Englund /Dirk R.	08/01/16	06/30/19	1,504	19,554	8,415
		6934591	G	P267111	28725-Z8401005	Englund /Dirk R.	06/01/16	06/25/18	0	6,347	0
		6936017	G	P267111	28725-Z8401005	Englund /Dirk R.	02/01/17	02/01/19	600	14,200	0
		6938456	G	P267111	28725-Z8401005	Englund /Dirk R.	11/01/17	06/30/19	0	9,390	4,100
	010456 LongWave Photonics	6940267	C	P267600	STTR AGMT UNDER W91	Hu /Qing	09/21/18	09/20/19	8,977	158,700	149,723
	102131 H. F. Webster Electronics	6935773	C	P066000	AGREEMENT DATED 10-1	Schuh /Christopher A	10/01/16	08/31/18	(6,135)	100,000	0
	<b>Total by Primary Sponsor</b>								<b>16,424,984</b>	<b>84,162,218</b>	<b>11,370,175</b>
000125 Army Corps of Engineers	000125 Army Corps of Engineers	6930281	C	P063007	W912HQ-14-C-0028	Gschwend /Philip M	08/20/14	08/20/19	60,460	689,990	14,647
		6930331	C	P063007	W912HQ-14-C-0034	Gschwend /Philip M	07/03/14	09/28/19	205,129	1,383,402	152,222
		6937134	C	P063007	W912DW-17-P-0088	Gschwend /Philip M	09/29/17	11/28/20	20,003	106,804	39,620
		6937684	G	P152000	W912HZ-17-2-0027	Swager /Timothy M	09/25/17	09/06/19	202,146	424,338	65,179
		6938748	C	P063007	W912DW-17-P-0088	Gschwend /Philip M	12/28/18	11/28/19	6,514	43,109	36,595
	<b>Total by Primary Sponsor</b>								<b>494,252</b>	<b>2,647,642</b>	<b>308,262</b>
000129 Army RDECOM-Adelphi	007533 University of California	6934736	C	P069201	KK9151	Lauffenburger /Douglas A	06/01/16	05/31/19	109,567	400,000	(2,542)
	<b>Total by Primary Sponsor</b>								<b>109,567</b>	<b>400,000</b>	<b>(2,542)</b>
000132 U.S. Army Medical Research and Materiel Command	000132 U.S. Army Medical Research and Materiel Command	6928165	G	P402010	W81XWH-13-1-0151	Hammond /Paula T	07/01/13	07/21/19	252,488	3,732,693	9,879
		6930323	G	P402000	W81XWH-14-1-0240	Hynes /Richard O	08/15/14	08/14/20	487,379	4,188,927	1,660,210
		6930418	C	P039070	W81XWH-14-C-0111	Herr /Hugh M	06/01/14	08/05/19	319,996	2,394,035	10,971
		6930492	C	P039070	W81XWH-14-C-0111	Herr /Hugh M	06/01/14	08/05/14	0	105,577	(0)
		6930500	G	P402000	W81XWH-14-1-0240	Hynes /Richard O	08/15/14	08/14/20	581,244	2,014,000	539,772
		6930686	C	P039070	W81XWH-14-C-0111	Herr /Hugh M	06/01/14	08/05/19	91,833	486,900	0
		6930687	C	P039070	W81XWH-14-C-0111	Herr /Hugh M	06/01/14	08/05/14	0	14,518	0
		6930858	G	P062000	W81XWH-14-1-0544	Hammond /Paula T	07/01/14	09/29/18	10,418	758,479	0
		6930905	G	P069201	W81XWH-14-1-0544	Grodzinsky /Alan J	07/01/14	09/29/18	4,413	332,206	(0)
		6932663	G	P165000	W81XWH-15-1-0365	Essigmann /John M	09/30/15	09/29/19	266,689	1,156,368	180,902
		6934805	G	P267600	W81XWH-16-1-0452	Wu /Ming-Ru	09/01/16	08/31/18	(96,179)	189,600	(0)
		6935035	G	P267600	W81XWH-16-1-0565	Lu /Timothy K	09/01/16	08/31/19	115,094	566,325	141,209
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		6936307	G	P165000	W81XWH-17-1-0185	Fazly /Ahmed	07/01/17	06/30/18	(5,826)	151,418	0
		6936648	G	P267600	W81XWH-17-1-0159	Lu /Timothy K	06/01/17	05/31/19	255,144	525,836	146,106
		6937291	G	P065005	W81XWH-17-1-0427	Winter /Amos G	09/30/17	09/29/20	153,836	499,999	267,091
		6939602	G	P267600	W81XWH1810513	Lu /Timothy K	09/15/18	09/14/19	46,902	153,815	106,913
	005321 Brigham & Won	6933104	G	P061901	112729	Edelman /Elazer R	07/15/15	07/14/18	65,232	257,400	(0)
	006570 Massachusetts	6928220	C	P400600	221647	Ghosh /Satrajit S	09/30/12	09/30/16	0	87,211	12,761
	007233 Rutgers Univers	6930216	C	P402000	5298 (W81XWH-14-1-0100	Langer /Robert S	05/01/14	04/30/18	177	1,190,901	(0)
	010924 Mimosa Acousti	6940745	G	P267200	AWD DTD 5/01/2019	Reed /Charlotte M	05/01/19	12/31/19	25,494	85,000	59,506
	012118 I.R.C.C.S. Istitur	6933716	G	P065004	SUBAWARD UNDER W81	Kamm /Roger Dale	06/01/15	05/31/18	(1,381)	30,000	(86)
	<b>Total by Primary Sponsor</b>								<b>2,572,954</b>	<b>18,921,207</b>	<b>3,135,233</b>
000134 U.S. Army Natick Soldier RD&E Center	007641 University of Michigan	6933569	C	P061090	3003660082	Stirling /Leia A.	09/03/15	01/31/20	147,550	1,053,258	265,223
	009001 Lincoln Laborat	6940010	C	P061090	PO# 7000436941	Stirling /Leia A.	08/01/18	12/31/19	74,516	167,000	92,484
	<b>Total by Primary Sponsor</b>								<b>222,066</b>	<b>1,220,258</b>	<b>357,707</b>
000135 ARO-ISN UARC	000135 ARO-ISN UARC	6927260	C	P417000	W911NF-13-D-0001	Joannopoulos /John	01/01/13	12/31/22	0	1,171	1,171
		6927266	C	P417000	W911NF-13-D-0001, T.O. 1	Joannopoulos /John	02/08/13	12/31/22	78,102	1,970,988	1,346,281
		6927267	C	P417000	W911NF-13-D-0001, T.O. 2	Joannopoulos /John	02/08/13	12/31/22	1,206,117	9,247,704	725,560
		6927268	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	02/08/13	12/31/22	0	0	0
		6927269	C	P417000	W911NF-13-D-0001, T.O. 4	Joannopoulos /John	02/08/13	12/31/22	574	6,245	5,599
		6927270	C	P417000	W911NF-13-D-0001, T.O. 5	Joannopoulos /John	02/08/13	12/31/22	0	0	0
		6927272	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/16	0	0	0
		6927273	C	P417000	W911NF-13-D-0001, T.O. 8	Joannopoulos /John	02/20/13	12/31/22	0	178,482	161,192
		6927275	C	P417000	W911NF-13-D-0001, T.O. 1	Joannopoulos /John	01/01/13	12/31/22	326,485	1,754,110	(468,151)
		6927276	C	P417000	W911NF-13-D-0001, T.O. 1	Joannopoulos /John	01/01/13	12/31/22	260,840	1,210,821	(369,501)
		6927277	C	P417000	W911NF-13-D-0001, T.O. 3	Bawendi /Moungi G	02/08/13	05/31/18	67	684,946	(0)
		6927278	C	P417000	W911NF-13-D-0001, T.O. 3	Bulovic /Vladimir	02/08/13	12/31/17	0	395,421	(0)
		6927279	C	P417000	W911NF-13-D-0001, T.O. 3	Jensen /Klavs F	02/08/13	12/31/14	0	151,176	0
		6927280	C	P417000	W911NF-13-D-0001, T.O. 3	Kastner /Marc A	02/08/13	02/07/14	0	33,098	(0)
		6927281	C	P417000	W911NF-13-D-0001, T.O. 3	Palacios /Tomas	02/08/13	12/31/17	0	491,457	(0)
		6927282	C	P417000	W911NF-13-D-0001, T.O. 3	Soljagic /Marin	02/08/13	12/31/17	0	463,363	(0)
		6927283	C	P417000	W911NF-13-D-0001, T.O. 3	Boyce /Mary Cunningham	02/08/13	03/31/14	0	39,569	(0)
		6927284	C	P417000	W911NF-13-D-0001, T.O. 3	Gleason /Karen K	02/08/13	12/31/14	0	170,554	0
		6927285	C	P417000	W911NF-13-D-0001, T.O. 3	Varanasi /Kripa	02/08/13	12/31/14	0	170,181	(0)
		6927286	C	P417000	W911NF-13-D-0001, T.O. 3	Gleason /Karen K	02/08/13	12/31/14	0	142,707	0
		6927287	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	02/08/13	01/31/15	0	133,419	(0)
		6927288	C	P417000	W911NF-13-D-0001, T.O. 3	Soljagic /Marin	02/08/13	12/31/15	0	97,208	(0)
		6927289	C	P417000	W911NF-13-D-0001, T.O. 3	Fink /Yoel	02/08/13	12/31/15	0	185,605	0
		6927290	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	02/08/13	12/31/15	0	87,906	0
		6927291	C	P417000	W911NF-13-D-0001, T.O. 3	Johnson /Steven G	02/08/13	12/31/15	0	164,535	0
		6927292	C	P417000	W911NF-13-D-0001, T.O. 3	Bulovic /Vladimir	02/08/13	12/31/14	0	141,368	0
		6927293	C	P417000	W911NF-13-D-0001, T.O. 3	Johnson /Steven G	02/08/13	12/31/17	0	308,248	0
		6927294	C	P417000	W911NF-13-D-0001, T.O. 3	Soljagic /Marin	02/08/13	12/31/17	0	488,282	(0)
		6927295	C	P417000	W911NF-13-D-0001, T.O. 4	Hammond /Paula T	02/08/13	01/31/18	0	256,525	(0)
		6927296	C	P417000	W911NF-13-D-0001, T.O. 4	Irvine /Darrell J	02/08/13	05/31/18	0	378,906	(0)
		6927297	C	P417000	W911NF-13-D-0001, T.O. 4	Love /John C	02/08/13	12/31/17	0	451,307	(0)
		6927298	C	P417000	W911NF-13-D-0001, T.O. 4	Alexander-Katz /Alfredo	02/08/13	12/31/14	0	99,343	0

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**Massachusetts Institute of Technology**  
**Research Expenditures by Primary Sponsor**  
**Fiscal Year 2019**

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6927299	C	P417000	W911NF-13-D-0001, T.O. 4	Elman /Noel M	02/08/13	12/31/15	0	430,831	0
		6927300	C	P417000	W911NF-13-D-0001, T.O. 4	Khademhosseini /Alireza	02/08/13	03/31/18	0	291,806	0
		6927301	C	P417000	W911NF-13-D-0001, T.O. 4	McKinley /Gareth H	02/08/13	12/31/14	0	66,419	0
		6927302	C	P417000	W911NF-13-D-0001, T.O. 4	Olsen /Bradley D.	02/08/13	12/31/17	0	524,914	(0)
		6927303	C	P417000	W911NF-13-D-0001, T.O. 4	Hammond /Paula T	02/08/13	12/31/17	0	949,873	0
		6927304	C	P417000	W911NF-13-D-0001, T.O. 4	Anderson /Daniel Griffith	02/08/13	12/31/15	0	93,716	0
		6927305	C	P417000	W911NF-13-D-0001, T.O. 4	Cima /Michael J	02/08/13	12/31/14	0	197,947	0
		6927306	C	P417000	W911NF-13-D-0001, T.O. 4	Graybiel /Ann M	02/08/13	12/31/14	0	193,738	0
		6927307	C	P417000	W911NF-13-D-0001, T.O. 4	Langer /Robert S	02/08/13	12/31/14	0	74,543	0
		6927308	C	P417000	W911NF-13-D-0001, T.O. 4	Irvine /Darrell J	02/08/13	05/31/18	0	494,400	0
		6927309	C	P417000	W911NF-13-D-0001, T.O. 4	Lu /Timothy K	02/08/13	12/31/18	20,234	500,319	(0)
		6927310	C	P417000	W911NF-13-D-0001, T.O. 5	Boyce /Mary Cunningham	02/08/13	03/31/14	0	71,394	(0)
		6927311	C	P417000	W911NF-13-D-0001, T.O. 5	Fang /Xuanlai	02/08/13	12/31/14	0	158,078	0
		6927312	C	P417000	W911NF-13-D-0001, T.O. 5	Kooi /Steven E	02/08/13	12/31/14	0	107,823	0
		6927313	C	P417000	W911NF-13-D-0001, T.O. 5	Swager /Timothy M	02/08/13	04/30/15	0	149,201	(0)
		6927314	C	P417000	W911NF-13-D-0001, T.O. 5	Schuh /Christopher A	02/08/13	12/31/18	66,554	1,431,367	0
		6927315	C	P417000	W911NF-13-D-0001, T.O. 5	Gabrieli /John D. E.	02/08/13	08/31/18	37,468	426,625	(0)
		6927316	C	P417000	W911NF-13-D-0001, T.O. 5	Kanwisher /Nancy	02/08/13	12/31/14	0	143,183	0
		6927317	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	08/31/18	24,041	569,640	0
		6927318	C	P417000	W911NF-13-D-0001, T.O. 5	Socrate /Simona	02/08/13	12/31/15	0	90,094	(0)
		6927319	C	P417000	W911NF-13-D-0001, T.O. 5	Johnson /Steven G	02/08/13	12/31/15	0	196,868	0
		6927320	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/15	0	265,264	0
		6927321	C	P417000	W911NF-13-D-0001, T.O. 5	Socrate /Simona	02/08/13	12/31/14	0	73,496	0
		6927322	C	P417000	W911NF-13-D-0001, T.O. 5	Nelson /Keith Adam	02/08/13	12/31/17	0	384,953	0
		6927323	C	P417000	W911NF-13-D-0001, T.O. 5	Olsen /Bradley D.	02/08/13	12/31/17	0	403,278	0
		6927324	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/16	0	150,407	(0)
		6927325	C	P417000	W911NF-13-D-0001, T.O. 5	Van Vliet /Krystyn J	02/08/13	12/31/17	0	530,848	(0)
		6927326	C	P417000	W911NF-13-D-0001, T.O. 5	Nelson /Keith Adam	02/08/13	12/31/14	0	92,898	(0)
		6927327	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/14	0	87,734	0
		6927328	C	P417000	W911NF-13-D-0001, T.O. 5	Socrate /Simona	02/08/13	12/31/14	0	139,130	0
		6927329	C	P417000	W911NF-13-D-0001, T.O. 5	Buehler /Markus J	02/08/13	01/31/15	0	141,178	(0)
		6927330	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/15	0	390,298	0
		6927331	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	02/08/13	12/31/14	0	153,814	(0)
		6927332	C	P417000	W911NF-13-D-0001, T.O. 5	Socrate /Simona	02/08/13	12/31/14	0	54,539	0
		6927333	C	P417000	W911NF-13-D-0001, T.O. 5	Boyce /Mary Cunningham	02/08/13	05/31/14	0	65,342	0
		6927334	C	P417000	W911NF-13-D-0001, T.O. 5	Ortiz /Christine	02/08/13	12/31/14	0	148,522	0
		6927335	C	P417000	W911NF-13-D-0001, T.O. 5	Oxman /Neri	02/08/13	02/28/15	0	142,675	0
		6927336	C	P417000	W911NF-13-D-0001, T.O. 5	Strano /Michael S.	02/08/13	05/31/18	(909)	579,549	(0)
		6927337	C	P417000	W911NF-13-D-0001, T.O. 5	Wardle /Brian L	02/08/13	12/31/17	0	279,461	(0)
		6927338	C	P417000	W911NF-13-D-0001, T.O. 6	Kong /Jing	02/08/13	12/31/14	0	115,199	0
		6927339	C	P417000	W911NF-13-D-0001, T.O. 6	Palacios /Tomas	02/08/13	12/31/14	0	180,750	0
		6927340	C	P417000	W911NF-13-D-0001, T.O. 6	Jensen /Klavs F	02/08/13	12/31/14	0	143,419	0
		6927341	C	P417000	W911NF-13-D-0001, T.O. 6	Strano /Michael S.	02/08/13	12/31/14	0	146,928	(0)
		6927342	C	P417000	W911NF-13-D-0001, T.O. 6	Swager /Timothy M	02/08/13	12/31/15	0	242,327	0
		6927343	C	P417000	W911NF-13-D-0001, T.O. 6	Baldo /Marc A	02/08/13	12/31/14	0	187,284	(0)
		6927344	C	P417000	W911NF-13-D-0001, T.O. 6	Swager /Timothy M	02/08/13	12/31/14	0	188,713	0
		6927345	C	P417000	W911NF-13-D-0001, T.O. 6	Watts /Michael	02/08/13	12/31/14	0	184,586	(0)

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**Massachusetts Institute of Technology**  
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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6927346	C	P417000	W911NF-13-D-0001, T.O. 6	Strano /Michael S.	02/08/13	12/31/15	0	262,733	(0)
		6927347	C	P417000	W911NF-13-D-0001, T.O. 6	Bawendi /Moungi G	02/08/13	12/31/15	0	335,183	0
		6927348	C	P417000	W911NF-13-D-0001, T.O. 7	Fink /Yoel	02/08/13	12/31/15	0	342,938	(0)
		6927349	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/15	0	269,495	0
		6927350	C	P417000	W911NF-13-D-0001, T.O. 7	Fink /Yoel	02/08/13	12/31/15	0	407,745	0
		6927351	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/15	0	283,404	(0)
		6927352	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/15	0	219,988	0
		6927353	C	P417000	W911NF-13-D-0001, T.O. 7	Johnson /Steven G	02/08/13	12/31/15	0	199,234	(0)
		6927354	C	P417000	W911NF-13-D-0001, T.O. 7	Soljagic /Marin	02/08/13	03/31/16	0	185,832	0
		6927355	C	P417000	W911NF-13-D-0001, T.O. 7	Bawendi /Moungi G	02/08/13	12/31/15	0	214,010	(0)
		6927356	C	P417000	W911NF-13-D-0001, T.O. 7	Raskar /Ramesh	02/08/13	12/31/15	0	211,628	(0)
		6927357	C	P417000	W911NF-13-D-0001, T.O. 7	Celanovic /Ivan L.	02/08/13	12/31/15	0	259,546	0
		6927358	C	P417000	W911NF-13-D-0001, T.O. 7	Fisher /Peter H	02/08/13	12/31/15	0	223,139	0
		6927359	C	P417000	W911NF-13-D-0001, T.O. 7	Joannopoulos /John	02/08/13	12/31/15	0	198,911	0
		6927360	C	P417000	W911NF-13-D-0001, T.O. 7	Soljagic /Marin	02/08/13	12/31/15	0	199,924	0
		6927362	C	P417000	W911NF-13-D-0001, T.O. 8	Hammond /Paula T	02/20/13	12/31/16	0	299,383	0
		6927363	C	P417000	W911NF-13-D-0001, T.O. 8	Cima /Michael J	02/20/13	09/30/15	0	394,447	(0)
		6927364	C	P417000	W911NF-13-D-0001, T.O. 8	Cima /Michael J	02/20/13	12/31/15	0	453,361	0
		6927365	C	P417000	W911NF-13-D-0001, T.O. 8	Irvine /Darrell J	02/20/13	12/31/15	0	299,672	(0)
		6927366	C	P417000	W911NF-13-D-0001, T.O. 8	Fink /Yoel	02/20/13	03/31/16	0	535,584	0
		6927367	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	06/26/13	12/31/16	0	1,267,149	190,679
		6927373	C	P417000	W911NF-13-D-0001, T.O. 8	Olsen /Bradley D.	02/20/13	12/31/16	0	457,854	(0)
		6927374	C	P417000	W911NF-13-D-0001, T.O. 8	Olsen /Bradley D.	02/20/13	06/30/15	0	100,000	0
		6927375	C	P417000	W911NF-13-D-0001, T.O. 8	Rutledge /Gregory C	02/20/13	12/31/16	0	328,633	0
		6927376	C	P417000	W911NF-13-D-0001, T.O. 8	Halton /Trevor Alan	02/20/13	06/30/16	0	574,652	(0)
		6927377	C	P417000	W911NF-13-D-0001, T.O. 8	Soljagic /Marin	03/14/13	03/17/14	0	47,500	(0)
		6927378	C	P417000	W911NF-13-D-0001, T.O. 8	Radovitzky /Raul A	06/01/13	06/30/14	0	91,359	0
		6927379	C	P417000	W911NF-13-D-0001, T.O. 8	Buehler /Markus J	06/01/13	12/31/14	0	14,976	0
		6927380	C	P417000	W911NF-13-D-0001, T.O. 8	Elman /Noel M	06/01/13	05/31/15	0	173,829	0
		6927381	C	P417000	W911NF-13-D-0001, T.O. 8	Olsen /Bradley D.	04/01/13	06/30/15	0	105,835	0
		6927382	C	P417000	W911NF-13-D-0001, T.O. 8	Bawendi /Moungi G	06/01/13	06/30/14	0	100,000	0
		6927386	C	P417000	W911NF-13-D-0001, T.O. 8	Rutledge /Gregory C	08/01/13	12/31/16	0	149,999	0
		6928139	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	06/26/13	06/25/15	0	9,570	0
		6928140	C	P417000	W911NF-13-D-0001, T.O. 9	Johnson /Steven G	06/26/13	06/25/15	0	36,674	0
		6928141	C	P417000	W911NF-13-D-0001, T.O. 9	Soljagic /Marin	06/26/13	06/25/15	0	37,501	(0)
		6928142	C	P417000	W911NF-13-D-0001, T.O. 8	Bawendi /Moungi G	03/01/14	12/31/17	0	398,639	(0)
		6928143	C	P417000	W911NF-13-D-0001, T.O. 9	Joannopoulos /John	05/01/14	12/31/15	0	907,820	3,564
		6928144	C	P417000	W911NF-13-D-0001, T.O. 9	Johnson /Steven G	06/01/14	12/31/15	0	34,541	0
		6928145	C	P417000	W911NF-13-D-0001, T.O. 9	Soljagic /Marin	06/01/14	06/25/15	0	37,465	(0)
		6928150	C	P417000	W911NF-13-D-0001, T.O. 9	Soljagic /Marin	02/08/13	12/31/15	0	31,673	0
		6928151	C	P417000	W911NF-13-D-0001, T.O. 7	Soljagic /Marin	02/08/13	12/31/15	0	35,801	0
		6928152	C	P417000	W911NF-13-D-0001, T.O. 7	Soljagic /Marin	03/01/13	12/31/15	0	20,907	0
		6928153	C	P417000	W911NF-13-D-0001, T.O. 8	Cima /Michael J	01/01/14	09/30/15	0	17,553	0
		6928154	C	P417000	W911NF-13-D-0001, T.O. 8	McKinley /Gareth H	05/01/14	12/29/15	0	220,000	0
		6928155	C	P417000	W911NF-13-D-0001, T.O. 8	Radovitzky /Raul A	07/01/14	09/30/17	0	300,000	0
		6931286	C	P417000	W911NF-13-D-0001, T.O. 9	Kong /Jing	01/01/15	03/31/18	0	325,000	(0)
		6931287	C	P417000	W911NF-13-D-0001, T.O. 9	Schuh /Christopher A	01/01/15	12/31/15	0	69,528	0
		6931288	C	P417000	W911NF-13-D-0001, T.O. 9	Anderson /Daniel Griffith	01/01/15	05/31/16	0	50,151	0
		6931289	C	P417000	W911NF-13-D-0001, T.O. 9	Cima /Michael J	01/01/15	05/31/16	0	85,601	(0)

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6931944	C	P417000	W911NF-13-D-0001, T.O. 5	Joannopoulos /John	05/01/15	12/31/17	0	1,207,288	4,329
		6932505	C	P417000	W911NF-13-D-0001, T.O. 2	Joannopoulos /John	08/01/15	04/30/17	0	31,533	0
		6932644	C	P417000	W911NF-13-D-0001, T.O. 5	Palacios /Tomas	08/01/15	12/31/16	0	40,000	(0)
		6932645	C	P417000	W911NF-13-D-0001, T.O. 5	Swager /Timothy M	08/01/15	12/31/16	0	74,714	0
		6932646	C	P417000	W911NF-13-D-0001, T.O. 5	Bawendi /Moungi G	08/01/15	12/31/16	0	68,000	0
		6932647	C	P417000	W911NF-13-D-0001, T.O. 5	Joannopoulos /John	08/01/15	12/31/16	0	5,998	0
		6932861	C	P417000	W911NF-13-D-0001, T.O. 5	Win /Moe Z	07/01/15	12/31/18	0	100,000	48,061
		6932862	C	P417000	W911NF-13-D-0001, T.O. 5	Strano /Michael S.	07/01/15	06/30/16	0	23,825	0
		6933400	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	12/15/15	12/31/18	117,685	787,228	127
		6933401	C	P417000	W911NF-13-D-0001, T.O. 3	Fink /Yoel	01/01/16	12/31/17	204	961,335	0
		6933402	C	P417000	W911NF-13-D-0001, T.O. 3	Soljagic /Marin	01/01/16	12/31/17	0	207,956	(0)
		6933403	C	P417000	W911NF-13-D-0001, T.O. 3	Johnson /Steven G	01/01/16	05/31/18	0	217,373	0
		6933404	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	01/01/16	12/31/17	0	170,743	(0)
		6933405	C	P417000	W911NF-13-D-0001, T.O. 3	Celanovic /Ivan L.	01/01/16	12/31/17	0	140,889	(0)
		6933600	C	P417000	W911NF-13-D-0001, T.O. 3	Johnson /Steven G	01/01/16	12/31/17	0	69,952	0
		6933601	C	P417000	W911NF-13-D-0001, T.O. 3	Joannopoulos /John	01/01/16	12/31/17	0	50,164	0
		6933742	C	P417000	W911NF-13-D-0001, T.O. 6	Strano /Michael S.	01/01/15	12/31/15	0	10,887	0
		6933743	C	P417000	W911NF-13-D-0001, T.O. 6	Strano /Michael S.	01/01/15	12/31/15	0	8,817	0
		6934124	C	P417000	W911NF-13-D-0001, T.O. 5	Palacios /Tomas	03/01/16	06/30/19	31,350	88,590	4,745
		6934125	C	P417000	W911NF-13-D-0001, T.O. 5	Rutledge /Gregory C	05/01/16	12/31/17	0	149,968	(0)
		6934126	C	P417000	W911NF-13-D-0001, T.O. 5	Johnson /Steven G	03/01/16	12/31/18	9,720	70,000	(0)
		6934127	C	P417000	W911NF-13-D-0001, T.O. 5	Joannopoulos /John	05/01/16	12/31/18	(9,518)	1,331,324	11,001
		6934471	C	P417000	W911NF-13-D-0001, T.O. 5	Bawendi /Moungi G	06/01/16	05/31/17	0	69,765	0
		6934472	C	P417000	W911NF-13-D-0001, T.O. 5	Fink /Yoel	06/01/16	12/31/17	0	74,501	0
		6934489	C	P417000	W911NF-13-D-0001, T.O. 5	Palacios /Tomas	04/01/16	05/31/17	0	43,843	0
		6934490	C	P417000	W911NF-13-D-0001, T.O. 5	Swager /Timothy M	06/01/16	12/31/17	0	74,720	0
		6934491	C	P417000	W911NF-13-D-0001, T.O. 5	Bawendi /Moungi G	06/01/16	05/31/17	0	67,894	(0)
		6935871	C	P417000	W911NF-13-D-0001, T.O. 3	Soljagic /Marin	10/01/16	10/31/17	0	7,360	0
		6935983	C	P417000	W911NF-13-D-0001, T.O. 5	Nelson /Keith Adam	07/01/16	06/30/17	0	44,860	0
		6935984	C	P417000	W911NF-13-D-0001, T.O. 5	Radovitzky /Raul A	11/01/16	12/31/19	141,121	400,000	132,963
		6937146	C	P417000	W911NF-13-D-0001, T.O. 5	Lu /Timothy K	07/01/17	03/31/19	147,192	244,807	(27)
		6937504	C	P417000	W911NF-13-D-0001, T.O. 5	Joannopoulos /John	01/01/17	09/30/20	808,301	1,241,765	301,878
		6937509	C	P417000	W911NF-13-D-0001, T.O. 5	Wardle /Brian L	10/01/17	12/31/19	124,529	125,000	(57,300)
		6937990	G	P417000	W911NF-18-2-0048	Joannopoulos /John	01/01/18	12/31/19	0	0	0
		6937991	G	P417000	W911NF-18-2-0048	Nelson /Keith Adam	01/01/18	12/31/19	98,482	180,000	13,799
		6937992	G	P417000	W911NF-18-2-0048	Radovitzky /Raul A	01/01/18	12/31/19	106,065	105,000	(92,658)
		6937993	G	P417000	W911NF-18-2-0048	Zhao /Xuanhe	01/01/18	12/31/19	122,773	180,000	25,728
		6937994	G	P417000	W911NF-18-2-0048	Strano /Michael S.	01/01/18	12/31/19	129,519	180,000	25,149
		6937995	G	P417000	W911NF-18-2-0048	Nelson /Keith Adam	01/01/18	12/31/19	149,160	180,000	(1,145)
		6937996	G	P417000	W911NF-18-2-0048	Rutledge /Gregory C	01/01/18	12/31/19	71,647	180,000	108,353
		6937997	G	P417000	W911NF-18-2-0048	Swager /Timothy M	01/01/18	12/31/19	108,196	180,000	46,948
		6937998	G	P417000	W911NF-18-2-0048	Kamrin /Kenneth N	01/01/18	12/31/19	116,343	180,000	39,655
		6937999	G	P417000	W911NF-18-2-0048	Radovitzky /Raul A	01/01/18	12/31/19	111,279	105,000	(27,466)
		6938000	G	P417000	W911NF-18-2-0048	Schuh /Christopher A	01/01/18	12/31/19	146,531	180,000	(12,862)
		6938001	G	P417000	W911NF-18-2-0048	Hammond /Paula T	01/01/18	12/31/19	170,934	270,000	7,794

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		6938002	G	P417000	W911NF-18-2-0048	Olsen /Bradley D.	01/01/18	12/31/19	124,615	270,000	80,129
		6938003	G	P417000	W911NF-18-2-0048	Irvine /Darrell J	01/01/18	12/31/19	115,588	180,000	31,571
		6938004	G	P417000	W911NF-18-2-0048	Yildiz /Bilge	01/01/18	12/31/19	124,494	180,000	9,410
		6938005	G	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	12/31/19	87,594	160,000	57,115
		6938006	G	P417000	W911NF-18-2-0048	Kong /Jing	01/01/18	12/31/19	98,186	180,000	48,206
		6938007	G	P417000	W911NF-18-2-0048	Palacios /Tomas	01/01/18	12/31/19	146,677	180,000	(18,751)
		6938008	G	P417000	W911NF-18-2-0048	Bawendi /Moungi G	01/01/18	12/31/19	92,018	90,000	(12,357)
		6938009	G	P417000	W911NF-18-2-0048	Bulovic /Vladimir	01/01/18	12/31/19	28,612	90,000	61,388
		6938010	G	P417000	W911NF-18-2-0048	Nelson /Keith Adam	01/01/18	12/31/19	56,011	225,000	129,739
		6938011	G	P417000	W911NF-18-2-0048	Fink /Yoel	01/01/18	12/31/19	266,173	360,000	(1,446)
		6938012	G	P417000	W911NF-18-2-0048	Joannopoulos /John	01/01/18	12/31/19	71,470	90,000	(14,964)
		6938013	G	P417000	W911NF-18-2-0048	Johnson /Steven G	01/01/18	12/31/19	91,352	180,000	48,353
		6938014	G	P417000	W911NF-18-2-0048	Kong /Jing	01/01/18	12/31/19	101,769	180,000	44,079
		6938015	G	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/19	67,995	180,000	75,831
		6938016	G	P417000	W911NF-18-2-0048	Celanovic /Ivan L.	01/01/18	12/31/19	68,682	90,000	(54,857)
		6938017	G	P417000	W911NF-18-2-0048	Fisher /Peter H	01/01/18	12/31/19	176,897	90,000	(86,897)
		6938018	G	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/19	83,732	180,000	94,875
		6938019	G	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/19	76,165	180,000	72,601
		6938020	G	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	12/31/19	14,297	135,435	121,138
		6938021	G	P417000	W911NF-18-2-0048	Joannopoulos /John	01/01/18	12/31/19	77,306	90,000	(20,808)
		6938022	G	P417000	W911NF-18-2-0048	Johnson /Steven G	01/01/18	12/31/19	148,106	180,000	(52,341)
		6938023	G	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/19	81,366	180,000	87,549
		6938024	G	P417000	W911NF-18-2-0048	Fu /Liang	01/01/18	12/31/19	135,662	180,000	(17,347)
		6938025	G	P417000	W911NF-18-2-0048	Gedik /Nuh	01/01/18	12/31/19	57,372	180,000	67,369
		6938026	G	P417000	W911NF-18-2-0048	Soljagic /Marin	01/01/18	12/31/19	127,938	180,000	52,062
		6938027	G	P417000	W911NF-18-2-0048	Fink /Yoel	01/01/18	12/31/19	99,557	180,000	33,023
		6938028	G	P417000	W911NF-18-2-0048	Joannopoulos /John	01/01/18	12/31/19	78,619	90,000	(22,113)
		6938090	C	P417000	W911NF-13-D-0001, T.O. 8	Bawendi /Moungi G	01/01/17	12/31/18	33,140	93,806	(0)
		6938091	C	P417000	W911NF-13-D-0001, T.O. 8	Palacios /Tomas	01/01/17	12/31/18	18,297	81,112	0
		6938092	C	P417000	W911NF-13-D-0001, T.O. 8	Swager /Timothy M	01/01/17	08/31/19	80,031	98,861	(158)
		6938093	C	P417000	W911NF-13-D-0001, T.O. 8	Bawendi /Moungi G	01/01/17	12/31/18	82,314	100,000	0
		6938117	G	P417000	W911NF-18-2-0048	Willard /Adam P.	01/01/18	12/31/19	11,081	135,000	38,494
		6938384	C	P417000	W911NF-13-D-0001, T.O. 8	Boriskina /Svetlana V	01/01/18	12/31/19	106,775	149,927	9,202
		6938898	G	P417000	W911NF-18-2-0048	Englund /Dirk R.	01/01/18	12/31/19	13,319	20,000	6,681
		6940704	G	P417000	W911NF-18-2-0048	Englund /Dirk R.	12/01/18	12/31/19	11,273	44,565	33,292
		6940965	C	P417000	W911NF-13-D-0001, T.O. 8	Palacios /Tomas	10/01/18	09/30/19	0	10,156	10,156
		6940966	C	P417000	W911NF-13-D-0001, T.O. 8	Kooi /Steven E	10/01/18	12/31/19	1,099	68,000	66,901
		6940968	C	P417000	W911NF-13-D-0001, T.O. 8	Fink /Yoel	04/01/19	12/31/19	19,920	75,000	55,080
	006870 North Carolina	6937652	G	P067952	2017-0383-01	Demaine /Erik D	05/15/17	09/30/18	18,696	118,500	(4,527)
	<b>Total by Primary Sponsor</b>								<b>7,815,283</b>	<b>59,972,834</b>	<b>3,203,144</b>
000136 DOD-CDMRP (USE FOR PROPOSALS ONLY)	005260 Beth Israel Dea	6938137	G	P402000	01029123	Yaffe /Michael B	09/30/16	09/29/18	31,667	212,531	1
	<b>Total by Primary Sponsor</b>								<b>31,667</b>	<b>212,531</b>	<b>1</b>

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000140 Navy - Miscellaneous	004205 Radiation Monit	6940326	C	P417500	C19-20	Agarwal /Anuradha	01/09/19	04/30/19	39,316	199,997	160,681
	007637 University of Te	6936413	G	P067952	UTA16-000982	Williams /Richard Ryan	09/01/16	08/31/18	0	144,307	(1,065)
	<b>Total by Primary Sponsor</b>								<b>39,316</b>	<b>344,304</b>	<b>159,615</b>
000146 Navy - ONR	000146 Navy - ONR	6929374	G	P065005	N00014-14-1-0191	Makris /Nicholas	03/01/14	01/31/20	0	1,245,000	(0)
		6929435	G	P266300	N00014-14-1-0166	Chryssostomidis /Chryssostomo	02/01/14	04/30/18	(269)	1,426,319	(0)
		6930243	G	P065005	N00014-14-1-0476	Lermusiaux /Pierre	03/01/14	06/30/19	213,125	899,900	(39,448)
		6930997	G	P069201	N00014-15-1-0034	Voigt /Christopher A.	09/15/14	09/30/16	0	907,642	(0)
		6931636	G	P068700	N00014-15-1-2083	Jaillet /Patrick	03/01/15	12/31/18	34	503,662	(0)
		6931826	G	P065005	N00014-15-1-2213	Schmidt /Henrik	03/06/15	03/05/18	(7,442)	150,000	0
		6931827	G	P065004	N00014-15-1-2227	Benjamin /Michael R	04/01/15	07/31/18	4,669	254,676	(0)
		6932006	G	P121012	N00014-15-1-2342	Mazumder /Rahul	07/01/15	12/31/18	16,137	360,000	0
		6932335	G	P065005	N00014-15-1-2460	Yue /Dick K. P.	07/01/15	12/31/19	150,060	1,060,000	108,669
		6932519	G	P065005	N00014-15-1-2626	Lermusiaux /Pierre	04/08/15	09/30/19	123,339	544,480	152,066
		6932563	G	P417000	N00014-15-1-2694	Nelson /Keith Adam	07/01/15	06/30/18	(429)	450,177	0
		6932656	G	P065005	N00014-15-1-2597	Lermusiaux /Pierre	07/01/15	06/30/18	(1)	333,042	0
		6932658	G	P065005	N00014-15-1-2622	Peacock /Thomas	05/01/15	08/31/19	94,794	579,671	69,020
		6932859	G	P066000	N00014-15-1-2763	Holten-Andersen /Niels	06/01/15	05/31/18	(23,703)	509,873	(0)
		6932875	G	P065005	N00014-15-1-2616	Lermusiaux /Pierre	04/25/15	03/31/19	120,798	435,253	1,069
		6933027	G	P065005	N00014-15-1-2483	Wang /Evelyn	10/01/15	09/30/18	(24,074)	431,127	(0)
		6933382	G	P320000	N00014-16-1-2144	Leeb /Steven B	01/01/16	05/31/18	2,906	513,103	(0)
		6933383	G	P320000	N00014-16-1-2144	Strano /Michael S.	01/01/16	05/31/18	(26,205)	497,467	0
		6933384	G	P320000	N00014-16-1-2144	Shao-Horn /Yang	01/01/16	05/31/18	(27,759)	479,651	(0)
		6933431	G	P068700	N00014-16-1-2141	Win /Moe Z	01/01/16	12/31/19	186,182	1,719,605	386,268
		6933564	G	P152000	N00014-16-1-2090	Nelson /Keith Adam	12/01/15	11/30/20	237,529	647,590	(14,714)
		6933571	G	P065005	N00014-16-1-2200	Yue /Dick K. P.	02/01/16	12/31/18	106,595	480,000	(0)
		6933697	G	P065005	N00014-16-1-2450	Peacock /Thomas	04/01/16	03/31/21	247,876	569,593	15,741
		6933838	G	P063007	N00014-16-1-2333	Buehler /Markus J	06/01/16	05/31/19	119,615	600,000	338
		6933971	G	P065005	N00014-15-1-2381	Sapsis /Themistoklis Panagioti	06/01/15	05/31/19	157,533	510,000	(3,606)
		6934063	G	P243021	N00014-16-1-2657	Moosera /Jagadeesh	07/01/16	06/30/19	33,263	426,270	56,109
		6934156	G	P069201	N00014-16-1-2509	Voigt /Christopher A.	09/15/14	10/30/19	122,013	1,413,923	(11,083)
		6934242	G	P069201	N00014-16-1-2388	Voigt /Christopher A.	11/01/12	06/30/18	(18,946)	245,800	(0)
		6934371	G	P267100	N00014-16-1-2815	Ketterle /Wolfgang	07/01/16	04/30/20	413,911	1,933,180	785,264
		6934380	G	P067952	N00014-16-1-2787	Rus /Daniela L	09/01/16	09/30/18	33,528	199,902	0
		6934429	G	P067952	N00014-16-1-2628	Leonard /John J	07/01/16	06/30/19	166,479	526,962	(7)
		6934468	G	P266300	N00014-16-1-2945	Chryssostomidis /Chryssostomo	08/01/16	07/31/19	121,224	428,662	119,426
		6934510	G	P065005	N00014-16-1-3031	Sciavounos /Paul D	09/01/16	08/31/19	129,575	360,000	12,782
		6934514	G	P065005	N00014-16-1-2998	Peacock /Thomas	08/01/16	07/31/19	6,522	21,549	(1,589)
		6934546	G	P069201	N00014-16-1-2388	Voigt /Christopher A.	11/01/12	06/30/18	884	1,539,105	0
		6934567	G	P165000	N00014-16-1-2953	Bathe /Mark	08/15/16	08/31/19	154,996	548,181	34,845
		6934572	G	P165000	N00014-16-1-2953	Bathe /Mark	08/15/16	06/30/17	0	56,304	0
		6934594	G	P267600	N00014-16-1-2783	Lu /Timothy K	05/03/16	12/31/17	(107,982)	286,468	0
		6934670	G	P267100	N00014-16-1-2815	Ketterle /Wolfgang	08/01/16	04/30/20	170,532	522,000	(80,112)
		6934699	G	P069400	N00014-16-1-3163	Jadbabaie-Moghadam /Ali	07/01/16	08/31/20	414,574	2,410,398	1,602,526
		6934713	G	P067952	N00014-16-1-3116	Oliva /Aude	09/01/16	04/30/20	574,470	2,204,171	519,589

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6934743	G	P065005	N00014-16-1-3105	Liu /Yuming	09/01/16	12/31/19	126,361	449,952	67,685
		6935143	G	P069850	N00014-16-1-2432	Olivetti /Elsa A	04/01/16	03/31/20	210,823	675,000	145,591
		6935358	G	P068700	N00014-17-1-2072	How /Jonathan P	09/01/16	12/31/20	481,919	981,503	280,106
		6935362	G	P065005	N00014-17-1-2089	Yue /Dick K. P.	01/01/17	09/30/19	205,570	495,000	19,397
		6935376	G	P065005	N00014-17-1-2077	Patera /Anthony T	01/01/17	12/31/19	92,997	283,000	43,535
		6935494	G	P067952	N00014-17-1-2072	Fisher /John W	09/01/16	12/31/20	73,879	340,909	43,696
		6935495	G	P067952	N00014-17-1-2072	Broderick /Tamara A	09/01/16	12/31/20	80,107	353,785	83,209
		6935515	G	P068700	N00014-17-1-2147	Uhler /Caroline	01/01/17	12/31/20	159,091	781,229	166,561
		6935529	G	P061093	N00014-17-1-2139	Wardle /Brian L	01/01/17	09/30/18	40,487	229,711	0
		6935556	G	P154000	N00014-17-1-2177	Goemans /Michel X	02/01/17	01/31/20	110,805	495,809	125,787
		6935561	G	P121012	N00014-17-1-2194	Orlin /James B	03/01/17	08/31/20	81,858	235,000	19,882
		6935736	G	P065005	N00014-17-1-2197	Makris /Nicholas	02/01/17	01/31/20	581,683	1,598,000	362,262
		6935799	G	P065005	N00014-17-1-2363	Wang /Evelyn	03/01/17	11/30/18	68,574	126,610	0
		6935802	G	P401710	N00014-17-1-2186	Coster /Anthea J	02/01/17	01/31/22	123,964	425,842	151,071
		6935807	G	P267100	N00014-17-1-2257	Zwierlein /Martin Wolfram	04/01/17	03/31/20	125,223	390,000	106,007
		6935836	G	P267100	N00014-17-1-2253	Ketterle /Wolfgang	04/01/17	04/30/20	340,945	482,587	83,645
		6935837	G	P267100	N00014-17-1-2254	Vuletic /Vladan	04/01/17	04/30/20	262,746	660,000	169,613
		6935935	G	P065005	N00014-17-1-2363	Wang /Evelyn	03/01/17	11/30/18	0	56,309	0
		6936051	G	P068700	N00014-17-1-2379	Win /Moe Z	03/15/17	05/31/20	(8,799)	103,885	92,012
		6936110	G	P065005	N00014-17-1-2570	Schmidt /Henrik	04/01/17	09/30/18	(13,364)	261,259	(0)
		6936303	G	P065005	N00014-17-1-2474	Schmidt /Henrik	05/01/17	04/30/20	250,241	765,000	270,750
		6936304	G	P060600	N00014-17-1-2585	Han /Ruonan	04/02/17	06/30/18	95	39,952	(0)
		6936317	G	P243021	N00014-16-1-2657	Moodera /Jagadeesh	10/01/16	06/30/19	324,211	501,000	25,900
		6936357	G	P154000	N00014-17-1-2598	Mossel /Elchanan	08/01/17	08/31/19	136,855	225,692	29,070
		6936478	G	P165000	N00014-17-1-2609	Bathe /Mark	08/01/17	07/31/20	245,258	475,755	75,019
		6936685	G	P068700	N00014-17-1-2670	Karaman /Sertac	07/01/17	06/30/20	216,906	418,963	45,661
		6936704	G	P065005	N00014-17-1-2570	Schmidt /Henrik	04/01/17	09/30/18	6,129	38,741	0
		6936729	G	P243021	N00014-16-1-2657	Moodera /Jagadeesh	07/01/16	06/30/19	73,718	0	(121,335)
		6936797	G	P267600	N00014-17-1-2744	Hong /Kyung-Han	09/01/17	08/31/18	321,901	322,313	(0)
		6936798	G	P121012	N00014-17-1-2790	Gamarnik /David	06/01/17	08/31/20	163,238	270,000	(15,001)
		6936817	G	P067952	N00014-17-1-2791	Sontag /David Alexander	06/01/17	08/31/20	12,913	315,000	138,909
		6936840	G	P267100	N00014-17-1-2254	Vuletic /Vladan	04/01/17	04/30/20	26,037	90,000	2,664
		6936862	G	P069850	N00014-17-1-2883	Checkelsky /Joseph	09/01/17	08/30/20	127,627	349,930	56,065
		6936934	G	P417000	N00014-17-1-2706	Nelson /Keith Adam	09/01/17	08/31/19	22,565	55,000	(2,199)
		6936947	G	P065005	N00014-17-1-2920	Zhao /Xuanhe	06/03/17	10/31/20	90,047	307,698	63,094
		6936959	G	P165000	N00014-16-1-2953	Bathe /Mark	07/01/17	08/31/19	94,194	182,371	17,977
		6937034	G	P065005	N00014-17-1-2985	Sclavounos /Paul D	09/01/17	08/31/20	95,392	360,000	155,115
		6937049	G	P062000	N00014-17-1-2956	Kulik /Heather Janine	09/01/17	10/31/20	120,326	450,000	289,266
		6937055	G	P061090	N00014-17-1-2959	Wang /Qiqi	08/01/17	08/31/20	158,989	257,250	45,060
		6937331	G	P417000	N00014-17-1-2977	Soljacic /Marin	09/30/17	09/29/21	29,900	181,178	86,703
		6937346	G	P417000	N00014-17-1-2977	Boyden /Edward	09/30/17	09/29/21	97,435	181,178	51,248
		6937495	G	P065005	N00014-18-1-2085	Makris /Nicholas	01/01/18	12/31/20	94,239	176,000	46,698
		6937778	G	P065004	N00014-18-1-2066	Hart /Douglas	09/15/17	12/14/19	50,345	205,000	68,402
		6937856	G	P267100	N00014-17-1-2257	Zwierlein /Martin Wolfram	04/01/17	03/31/20	17,137	210,000	24,350
		6937867	G	P121012	N00014-18-1-2079	Vielma Centeno /Juan Pablo	01/01/18	12/31/20	106,911	175,000	37,123
		6937958	G	P069850	N00014-17-1-2883	Checkelsky /Joseph	01/01/18	05/31/18	1,381	5,070	150
		6938061	G	P068700	N00014-18-1-2122	Jaillet /Patrick	06/01/18	05/31/21	70,758	270,000	199,062
		6938108	G	P060600	N00014-18-1-2177	Palacios /Tomas	04/01/18	03/31/20	245,267	410,000	132,155
		6938109	G	P266300	N00014-18-1-2187	Cooke /Chathan M	03/01/18	02/28/21	91,533	180,000	74,922

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		6938279	G	P066000	N00014-18-1-2284	Tasan /Cemal	06/01/18	05/31/21	105,980	255,116	143,964
		6938307	G	P063007	N00014-18-1-2258	Marelli /Benedetto	06/01/18	05/31/21	221,826	226,665	(26,552)
		6938340	G	P165000	N00014-18-1-2290	Bathe /Mark	06/01/18	05/31/19	262,205	364,186	(0)
		6938364	G	P068700	N00014-18-1-2210	Megretski /Alexandre	06/01/18	05/31/22	135,368	225,027	77,561
		6938476	G	P320000	N00014-18-1-2332	Leeb /Steven B	07/01/18	06/30/19	250,000	250,000	(0)
		6938508	G	P067952	N00014-18-1-2210	Tedrake /Russell L	06/01/18	05/31/22	124,314	192,254	61,151
		6938533	G	P153000	N00014-18-1-2458	Emanuel /Kerry Andrew	05/01/18	04/30/21	231,637	278,771	10,222
		6938550	G	P417000	N00014-18-1-2378	Nelson /Keith Adam	06/01/18	05/31/20	302,149	400,144	97,994
		6938559	G	P062000	N00014-18-1-2434	Kulik /Heather Janine	06/01/18	05/31/21	158,533	364,900	206,367
		6938565	G	P320000	N00014-18-1-2436	Strano /Michael S.	07/01/18	06/30/20	224,264	250,000	25,736
		6938651	G	P069850	N00014-17-1-2883	Checkelsky /Joseph	05/22/18	05/21/19	24,205	25,000	(68)
		6938655	G	P121012	N00014-18-1-2298	Mazumder /Rahul	06/01/18	05/31/21	159,923	232,232	63,407
		6938899	G	P066000	N0001-18-1-2746	Jaramillo /Rafael	06/25/18	08/14/19	59,351	59,400	49
		6938931	G	P068700	N00014-18-1-2765	Uhler /Caroline	09/01/18	08/31/21	113,779	164,155	50,376
		6938933	G	P065005	N00014-18-1-2762	Peacock /Thomas	05/03/18	07/31/23	19,751	138,577	118,826
		6938976	G	P065005	N00014-18-1-2781	Lermusiaux /Pierre	07/15/18	07/14/23	82,514	224,621	142,107
		6939081	G	P067952	N00014-18-1-2832	Leonard /John J	09/01/18	08/31/22	134,045	414,498	280,453
		6939138	G	P067952	N00014-18-1-2815	Shah /Julie A	08/01/18	07/31/23	141,905	265,088	123,183
		6939218	G	P267300	N00014-18-1-2496	Leeb /Steven B	09/01/18	08/31/21	119,624	301,885	182,261
		6939343	G	P154000	N00014-18-1-2525	Moitra /Ankur	07/01/18	06/30/21	122,379	265,498	143,119
		6939380	G	P067952	N00014-18-1-2847	Kaelbling /Leslie P	09/01/18	08/31/22	159,553	395,292	235,738
		6939404	G	P152000	N00014-18-1-2878	Swager /Timothy M	10/01/18	09/30/20	526,007	1,200,000	673,993
		6939525	G	P039000	N00014-18-1-2894	Raskar /Ramesh	09/30/18	09/29/20	29,503	399,993	370,490
		6939843	G	P417000	N00014-18-1-2378	Nelson /Keith Adam	09/01/18	02/28/19	11,754	22,912	11,158
		6939934	G	P068700	N00014-17-1-2379	Win /Moe Z	06/01/17	05/31/20	9,127	23,218	14,090
		6940044	G	P061090	N00014-18-1-2832	How /Jonathan P	09/01/18	08/31/22	42,496	192,365	149,869
		6940209	G	P159300	N00014-19-1-2036	Nedivi /Elly	01/18/19	01/17/23	119,429	485,135	365,706
		6940283	G	P067952	N00014-18-1-2815	Adelson /Edward H	08/01/18	07/31/19	64,643	199,201	134,558
		6940295	G	P067952	N00014-18-1-2847	Tenenbaum /Joshua B	09/01/18	08/31/19	39,482	185,118	145,636
		6940379	G	P417500	N00014-19-1-2114	Olivetti /Elsa A	03/01/19	02/28/22	0	675,000	675,000
		6940380	G	P320000	N00014-19-1-2091	Leeb /Steven B	04/02/19	06/30/20	30,808	250,000	219,192
		6940397	G	P068700	N00014-17-1-2147	Bresler /Guy	06/01/19	12/31/20	13,116	72,406	59,290
		6940539	G	P065005	N00014-19-1-2180	Schmidt /Henrik	01/01/19	03/31/22	62,799	240,000	177,201
		6940624	G	P165000	N00014-19-1-2344	Bathe /Mark	06/01/19	05/31/20	0	453,000	453,000
		6940657	G	P267500	N00014-19-1-2359	Kirtley /James L	01/22/19	04/21/20	61,914	205,000	143,086
		6940723	G	P039000	N00014-19-1-2325	Adib /Fadel	05/01/19	04/30/21	0	161,947	161,947
		6940786	G	P122030	N00014-19-1-2362	Klein /Mark	05/15/19	05/14/22	15,497	215,218	199,721
		6940867	G	P063000	N00014-19-1-2375	Buehler /Markus J	06/18/19	09/14/22	5,705	32,517	26,812
		6940875	G	P320000	N00014-19-1-2307	Strano /Michael S.	07/01/19	06/30/20	0	250,000	250,000
		6940876	G	P063007	N00014-19-1-2317	Marelli /Benedetto	05/06/19	05/05/24	28,309	200,000	171,691
	002533 CREARE, Incorporated	6932855	C	P061090	SUBCONTRACT NO. 78380	How /Jonathan P	04/23/15	12/31/18	36,061	229,621	(120)
	003928 Oasis	6939397	C	P065005	OASIS 18-12 REVISION 4	Lermusiaux /Pierre	06/25/18	11/30/18	37,448	37,448	(0)
	004513 Scientific System	6940374	C	P061096	SC-1654-01	Shah /Julie A	11/01/18	04/24/19	23,172	40,000	16,828
	005222 Metis Design Co	6939815	C	P061093	STTR AGRMNT DTD. 12/01/18	Wardle /Brian L	09/01/18	04/11/19	63,050	50,000	(13,050)
	005250 Battelle Memorial Institute	6935623	G	P063007	SUB NO. 550379/PO US00	Gschwend /Philip M	01/23/17	06/30/19	39,224	152,571	39
		6940096	C	P267300	719683	Medard /Muriel	07/12/18	01/10/19	0	10,000	10,000
	005274 Boston University	6935193	G	P159300	4500002204	Miller /Earl K	09/01/16	08/31/19	298,225	1,061,754	433,645
	005333 Brown University	6934244	G	P152000	00000921	Surendranath /Yogesh	05/05/16	12/31/19	126,894	455,000	40,645

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	005521 Cornell University	6933365	G	P067952	77497-10576	Shah /Julie A	01/01/16	12/31/18	138,734	342,734	0
		6937216	G	P067952	81825-10911	Roy /Nicholas	08/01/17	07/31/20	284,902	336,000	(51,691)
		6937574	G	P067952	81825-10911	Tedrake /Russell L	08/01/17	07/31/20	172,987	336,000	49,154
		6937575	G	P067952	81825-10911	Solar Lezama /Armando	08/01/17	07/31/20	160,659	336,000	171,974
		6937576	G	P067952	81825-10911	Carbin /Michael James	08/01/17	07/31/20	149,774	336,000	155,418
	005678 Draper Laboratory	6936067	C	P068700	SC001-0000001106	Shah /Devavrat	01/16/17	12/20/19	85,755	225,000	1,903
	005690 Duke University	6928294	G	P065004	13-ONR-1109	Fang /Xuanlai	07/01/13	09/30/19	128,730	1,285,750	92,001
	005919 George Mason University	6937200	G	P267500	E2042811	Kirtley /James L	09/01/17	08/31/18	39,770	135,500	(23,469)
		6937846	G	P267500	E2042811	Kirtley /James L	01/01/18	05/31/18	0	14,500	(238)
	005935 Georgia Institute of Technology	6938924	G	P065004	SUBAWARD NO. RK015-G	Henry /Asegun S	07/01/18	06/30/20	181,126	415,550	234,424
	006112 Harvard Medical School	6939658	G	P158000	325-28721-124078-322771	Mirny /Leonid A	09/01/18	05/31/19	27,563	27,563	(0)
		6940291	G	P158000	325-28721-124078-322771	Mirny /Leonid A	01/16/19	05/31/19	27,563	27,563	(0)
	006120 Harvard University	6933356	G	P267100	123950-5092636	Vuletic /Vladan	07/01/15	09/30/16	0	140,288	0
		6935798	G	P267100	123950-5092634	Vuletic /Vladan	10/01/16	06/30/17	0	128,271	(0)
		6936863	G	P267100	123950-5092634	Vuletic /Vladan	07/01/17	06/30/19	107,868	299,577	(42,474)
		6937039	G	P267100	123950-5092634	Vuletic /Vladan	07/01/17	06/30/19	37,442	80,000	7,069
		6940862	G	P064000	7555498-01	Kolodziejski /Leslie A	01/16/19	04/05/19	9,732	9,729	(3)
	006951 Florida State University	6935158	G	P266300	R01849	Triantafyllou /Michael S	08/01/16	12/31/19	301,344	986,184	170,253
	007380 Stanford University	6931094	G	P400600	60744752-114407	DiCarlo /James	07/01/14	06/30/20	354,629	1,750,000	122,985
		6939969	G	P067952	61957754-136921	Rus /Daniela L	09/01/18	08/31/20	1,017	182,618	181,601
	007534 University of California-San Diego	6928757	G	P065005	PO #S9000381, SUB #430	Schmidt /Henrik	07/01/13	09/30/19	0	663,750	12
		6934249	G	P065005	PO #S9000381, SUB #430	Schmidt /Henrik	07/01/13	09/30/19	375,256	811,250	(4,174)
		6939646	G	P068700	108548654	Carlone /Luca	08/15/18	08/14/22	58,513	197,484	138,971
	007616 University of Southern California	6939535	G	P069201	107215392	Voigt /Christopher A.	08/01/18	07/31/20	0	500,000	500,000
		6939922	G	P065004	107215392	Buie /Cullen	08/01/18	07/31/19	124,541	166,667	42,126
		6939923	G	P069201	107215392	Voigt /Christopher A.	08/01/18	07/31/19	307,011	166,666	(140,345)
		6939924	G	P069201	107215392	Lu /Timothy K	08/01/18	07/31/19	76,576	166,667	90,091
	007617 University of Michigan	6937286	G	P065005	A006141803	Sapsis /Themistoklis Panagioti	08/01/17	07/31/21	167,304	300,000	(10,884)
	007625 University of California	6933105	G	P154500	1015 G TA243/N00014-16-	Tenenbaum /Joshua B	07/03/15	09/30/21	196,478	1,119,484	297,485
	007630 University of Pennsylvania	6927251	G	P068700	568770	Ozdaglar /Asuman E	09/30/12	09/30/18	13,593	374,994	0
		6935748	G	P068700	568770	Jadbabaie-Moghadam /Ali	07/01/16	09/30/18	62,540	299,599	0
		6937175	G	P066000	572339	Jaramillo /Rafael	08/01/17	07/31/20	336,563	915,000	365,963
		6939157	G	P068000	574340, PO 4268346	Li /Ju	07/01/18	06/30/21	249,321	565,000	315,680
	007637 University of Texas	6934067	G	P065009	UTA16-000556	Chen /Gang	06/01/16	05/31/20	192,301	920,000	312,464
	007641 University of Michigan	6940785	G	P153000	SUBK00009163 / PO30054	Ravela /Srinivas	04/01/19	03/31/20	6,684	145,910	139,226
	010852 Raytheon BBN Technologies Corp.	6935317	C	P267300	LBN9513359	Shapiro /Jeffrey H	09/05/16	09/01/19	158,885	487,706	96,488
		6936009	C	P267111	9500013359	Englund /Dirk R.	01/01/17	09/01/19	100,885	210,000	8,982
	010924 Mimosa Acoustics	6939874	C	P267200	SUBCONTRACT DTD. 12/1	Reed /Charlotte M	11/01/18	03/31/19	26,033	26,000	(33)
	012083 American Lightweight Materials Manufacturing Innovation Institute	6931218	C	P069850	0001	Clark /Joel P	02/21/14	02/21/19	0	0	0
		6931266	C	P069850	0001	Clark /Joel P	02/21/14	02/21/19	15,689	141,804	(60,144)
		6932265	C	P069850	0002A-7	Kirchain /Randolph E	05/15/15	04/30/17	0	90,323	(0)
		6932706	C	P069850	0002B-11	Clark /Joel P	07/16/15	06/30/17	8,468	130,000	7,655
		6934651	C	P069850	SUB AWARD NUMBER 000	Clark /Joel P	08/15/16	10/31/18	13,284	665,302	7,220
		6934653	C	P069850	SUB AWARD NUMBER 000	Olivetti /Elsa A	06/01/16	08/31/18	4,172	130,000	728
		6934655	C	P069850	SUB AWARD NUMBER 000	Clark /Joel P	06/01/16	08/31/18	(17,137)	111,615	1,284
		6934657	C	P069850	SUB AWARD NUMBER 000	Clark /Joel P	06/01/16	01/31/18	(11,090)	203,450	857
Total by Primary Sponsor									19,836,203	75,770,417	17,474,925

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
000148 Navy (NAVAIR)	003928 Oasis	6940842	C	P065005	OASIS 19-05	Lermusiaux /Pierre	04/02/19	10/01/19	51	29,949	29,898
	<b>Total by Primary Sponsor</b>								<b>51</b>	<b>29,949</b>	<b>29,898</b>
000150 Naval Research Laboratory	000150 Naval Research Laboratory	6938836	G	P060600	N00173-18-1-G011	Han /Ruonan	06/18/18	06/17/19	59,719	93,800	34,081
		6939810	G	P159600	N00173-19-1-G003	Remillard /Ronald A	10/18/18	10/17/19	0	19,999	19,999
	009001 Lincoln Laborat	6931068	C	P065005	7000294429	Slocum /Alexander H	10/01/14	06/30/18	(275)	134,854	0
	<b>Total by Primary Sponsor</b>								<b>59,443</b>	<b>248,653</b>	<b>54,081</b>
000151 Space and Naval Warfare Systems Center	000151 Space and Naval Warfare Systems Center	6927878	C	P402010	N66001-13-C-4025	Love /John C	06/25/13	05/31/19	0	13,513,402	13,513,402
		6928092	C	P069400	N66001-13-C-4025	Strano /Michael S.	09/01/13	10/31/13	0	5,341	0
		6928179	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	2,747,103	(98,320)
		6928180	C	P069400	N66001-13-C-4025	Braatz /Richard D	06/25/13	06/24/15	0	311,017	13,702
		6928181	C	P069400	N66001-13-C-4025	Strano /Michael S.	06/25/13	06/24/15	0	628,716	(49,244)
		6928182	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	388,078	(14,718)
		6928183	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	466,202	122,152
		6928184	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	986,243	57,591
		6928185	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	0	836,401	(0)
		6928186	C	P267500	N66001-13-C-4025	Han /Jongyoon	06/25/13	06/24/15	0	706,495	(40,796)
		6928187	C	P267600	N66001-13-C-4025	Lu /Timothy K	06/25/13	06/24/15	0	891,332	55,539
		6928188	C	P267600	N66001-13-C-4025	Ram /Rajeev J	06/25/13	06/24/15	0	835,200	(26,654)
		6928729	C	P267600	N66001-13-C-4025	Ram /Rajeev J	09/01/13	06/24/15	0	45,797	0
		6928866	C	P267600	N66001-13-C-4025	Ram /Rajeev J	10/01/13	06/24/17	0	6,600	0
		6930050	C	P069400	N66001-13-C-4025	Love /John C	06/25/13	06/24/15	(189,016)	416,085	0
		6930637	G	P152000	N66001-14-2-4058	Pentelute /Bradley L.	09/01/14	08/31/19	180,438	4,923,638	7,979
		6930763	G	P152000	N66001-14-2-4058	Jamison /Timothy F	09/01/14	12/31/15	0	465,000	0
		6930764	G	P152000	N66001-14-2-4058	Johnson /Jeremiah A.	09/01/14	12/31/15	0	464,998	0
		6931814	C	P067952	N66001-15-C-4030	Matusik /Wojciech	04/16/15	09/30/18	55,317	1,561,163	0
		6932090	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/19	324,235	6,027,795	(76,818)
		6932091	C	P402010	N66001-13-C-4025	Braatz /Richard D	06/25/15	06/24/18	0	539,461	(0)
		6932092	C	P402010	N66001-13-C-4025	Strano /Michael S.	06/25/15	02/29/16	0	163,727	(0)
		6932093	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	09/30/18	65,409	437,662	0
		6932094	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/17	0	84,433	0
		6932095	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/18	0	984,832	0
		6932096	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/19	79,772	637,674	28,013
		6932097	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/19	0	484,098	0
		6932098	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/19	13,328	573,570	0
		6932099	C	P267500	N66001-13-C-4025	Han /Jongyoon	06/25/15	02/29/16	0	299,832	(0)
		6932100	C	P267600	N66001-13-C-4025	Lu /Timothy K	06/25/15	02/29/16	0	130,650	(0)
		6932101	C	P267600	N66001-13-C-4025	Ram /Rajeev J	06/25/15	03/31/16	0	165,237	0
		6932102	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/19	28,359	1,702,618	3,885
		6933773	C	P243020	N66001-16-C-4039	Temkin /Richard J	05/23/16	06/30/19	532,578	1,639,444	408,443
		6933984	G	P060600	N66001-16-1-4038	Akinwande /Akintunde I	05/16/16	05/15/19	321,113	899,951	3,479
		6934328	C	P067952	N66001-15-C-4030	Matusik /Wojciech	04/16/15	09/30/18	0	98,265	0
		6934329	C	P243020	N66001-16-C-4039	Temkin /Richard J	05/23/16	06/30/20	23,345	118,000	4,896
		6935940	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/18	0	258,123	0
		6935941	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	10/24/17	0	14,450	0
		6935942	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/19	0	5,116	(0)

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		6935943	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/18	0	128,876	0
		6935944	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	06/24/18	0	58,266	0
		6936212	C	P402010	N66001-13-C-4025	Love /John C	06/25/15	05/31/19	158,914	468,000	73,608
		6936597	G	P067952	N66001-17-1-4039	Jegelka /Stefanie Sabrina	06/27/17	06/26/20	219,130	500,000	173,756
		6937087	G	P039000	N66001-17-2-4054	Esvelt /Kevin Michael	05/31/17	08/31/19	2,856,639	3,864,823	(320,923)
		6937537	C	P067952	N66001-15-C-4030	Solomon /Justin	04/16/15	09/30/18	55,687	137,863	0
		6939356	C	P402010	N66001-13-C-4025	Love /John C	09/01/18	05/31/19	217,103	499,255	282,152
	005333 Brown Universit	6933009	G	P266300	00000827	Triantafyllou /Michael S	09/09/15	04/30/19	111,156	858,215	(46,360)
	007676 University of Ca	6933761	C	P067952	00009042/PO#BB0065096	Devadas /Srinivas	09/28/15	09/30/19	245,092	667,646	62,397
	<b>Total by Primary Sponsor</b>								<b>5,298,597</b>	<b>52,646,691</b>	<b>14,137,160</b>
000152 Navy-ONR Global	007630 University of Pe	6937310	G	P068000	572339	Li /Ju	08/01/17	07/31/19	134,251	195,000	19,210
	<b>Total by Primary Sponsor</b>								<b>134,251</b>	<b>195,000</b>	<b>19,210</b>
000156 Naval Air Warfare Center Weapons Division	004205 Radiation Monitoring Devices	6938352	C	P069850	C18-11	Agarwal /Anuradha	09/25/17	12/14/18	690	29,688	(690)
		6938896	C	P069850	C18-11	Agarwal /Anuradha	06/14/18	12/14/18	25,000	25,000	0
	<b>Total by Primary Sponsor</b>								<b>25,690</b>	<b>54,688</b>	<b>(690)</b>
000157 US Naval Observatory	000157 US Naval Observatory	6930804	C	P401710	N00189-14-C-Z082	Niell /Arthur E	09/17/14	09/16/19	102,178	486,232	14,590
		6940143	C	P401710	N0018918PZ468	Ruszczuk /Chester A	09/15/18	08/31/19	34,020	43,371	9,351
	<b>Total by Primary Sponsor</b>								<b>136,198</b>	<b>529,603</b>	<b>23,941</b>
000160 Defense Advanced Research Projects Agency	000160 Defense Advanced Research Projects Agency	6931667	C	P267600	HR0011-15-C-0056	Watts /Michael	04/01/15	12/31/18	(196,932)	248,137	(0)
		6931952	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	05/02/20	0	450,888	436,336
		6931990	G	P060600	HR0011-15-2-0012	Akinwande /Akinunde I	05/22/15	08/28/18	12,927	1,200,000	(0)
		6932028	C	P267600	HR0011-15-C-0056	Watts /Michael	04/01/15	12/31/18	481,214	2,138,198	0
		6932029	C	P267600	HR0011-15-C-0056	Watts /Michael	04/01/15	12/31/18	163,057	800,413	0
		6932031	C	P267600	HR0011-15-C-0056	Watts /Michael	04/01/15	12/31/18	115,920	1,607,234	(0)
		6932032	C	P267600	HR0011-15-C-0056	Watts /Michael	04/01/15	12/31/18	(118,035)	584,788	(0)
		6932033	C	P267600	HR0011-15-C-0056	Kaertner /Franz X	04/01/15	12/31/18	150,998	1,291,870	(0)
		6932109	C	P267600	HR0011-15-C-0091	Lu /Timothy K	05/27/15	06/28/18	(6,270)	3,458	(0)
		6932111	C	P061901	HR0011-15-C-0091	Collins /James J.	06/29/15	06/28/18	32,533	510,761	0
		6932112	C	P267600	HR0011-15-C-0091	Lu /Timothy K	06/29/15	06/28/18	4,746	459,036	0
		6932113	C	P267600	HR0011-15-C-0091	Lu /Timothy K	06/29/15	06/28/18	151,779	961,923	0
		6932114	C	P267600	HR0011-15-C-0091	Lu /Timothy K	06/29/15	06/28/18	363,594	938,526	0
		6932175	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	293,861	0
		6932176	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	512,452	(0)
		6932177	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	73,531	0
		6932178	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	659,211	0
		6932179	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	212,272	(0)
		6932180	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	48,784	0

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		6932181	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	190,854	(0)
		6932182	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	76,613	0
		6932183	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	39,417	0
		6932184	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	362,116	(0)
		6932185	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	203,024	0
		6932186	C	P069201	HR0011-15-C-0084	Belcher /Angela M	05/04/15	11/04/16	0	486,514	(0)
		6932187	C	P069201	HR0011-15-C-0084	Lu /Timothy K	05/04/15	11/04/16	0	154,324	0
		6932188	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	349,983	(0)
		6932189	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	107,349	(0)
		6932190	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	1,134,971	(0)
		6932191	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	4,996,629	0
		6932253	C	P267600	HR0011-15-C-0091	Lu /Timothy K	05/27/15	06/28/18	9,153	1,124,677	0
		6932271	C	P267500	HR0011-15-C-0155	Anikeeva /Polina Olegovna	09/28/15	08/31/18	68,926	1,132,799	0
		6932275	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/04/15	11/04/16	0	111,110	0
		6932549	G	P069201	HR0011-15-2-0033	Voigt /Christopher A.	08/28/15	08/27/18	21,395	891,198	0
		6932839	G	P067952	HR0011-15-2-0047	Balakrishnan /Hari	09/29/15	09/30/19	174,748	1,983,695	372,619
		6932842	C	P267500	HR0011-15-C-0155	Anikeeva /Polina Olegovna	09/28/15	08/31/18	106,798	598,698	0
		6932854	G	P069201	HR0011-15-2-0033	Voigt /Christopher A.	08/28/15	08/27/18	158	663,748	0
		6932955	C	P267600	HR0011-15-C-0056	Ippen /Erich Peter	04/01/15	03/29/18	0	26,681	0
		6933230	C	P267600	HR0011-15-C-0056	Kaertner /Franz X	07/01/15	03/29/18	(5)	113,002	0
		6933444	C	P267300	HR0011-16-C-0030	Wornell /Gregory W	01/26/16	04/30/20	0	516,899	516,899
		6933528	C	P267300	HR0011-16-C-0030	Wornell /Gregory W	01/26/16	04/30/20	206,122	445,460	13,588
		6933649	C	P267300	HR0011-16-C-0030	Wornell /Gregory W	01/26/16	04/30/20	264,720	558,900	(191,236)
		6933650	C	P267300	HR0011-16-C-0030	Shapiro /Jeffrey H	01/26/16	04/30/20	150,944	416,200	(11,988)
		6933651	C	P267300	HR0011-16-C-0030	Wong /Ngai Chuen	01/26/16	04/30/20	86,873	493,200	(8,279)
		6933652	C	P067952	HR0011-16-C-0030	Torralba /Antonio	01/26/16	04/30/20	95,406	416,200	43,883
		6933653	C	P067952	HR0011-16-C-0030	Freeman /William T	01/26/16	04/30/20	170,460	416,200	(59,411)
		6933654	C	P067952	HR0011-16-C-0030	Durand /Frederic	01/26/16	04/30/20	(70,598)	466,200	23,620
		6934402	C	P267600	HR0011-15-C-0056	Watts /Michael	04/01/15	12/31/18	138,079	142,159	0
		6934679	G	P065009	HR0011-16-2-0041	Chen /Gang	08/23/16	08/22/19	282,002	899,262	75,252
		6935187	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	09/30/18	0	27,160	(0)
		6935188	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	09/30/18	(382)	42,701	0
		6935189	C	P069201	HR0011-15-C-0084	Belcher /Angela M	09/13/16	02/28/17	(1,321)	128,615	0
		6935190	C	P069201	HR0011-15-C-0084	Lu /Timothy K	09/13/16	02/28/17	(700)	21,581	700
		6935195	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	9,587	309,952	73,981
		6935196	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	05/31/18	0	375,805	230
		6935197	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	32	65,488	6,429
		6935198	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	05/31/18	0	701,276	(0)
		6935199	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	0	84,417	15,313
		6935200	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	05/31/18	0	80,406	2,248
		6935201	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	34,992	246,722	29,257
		6935202	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	88,195	130,541	0
		6935203	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	05/31/18	0	1,228,567	(0)
		6935204	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	09/13/16	09/30/18	151,840	5,049,302	4,667
		6935404	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	09/30/18	160,272	641,220	0
		6935405	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	09/30/18	0	52,794	52,794
		6935869	G	P066000	HR00111720029	Hu /Juejun	04/01/17	03/31/21	360,960	863,731	48,785

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		6935986	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	05/31/18	6,590	204,303	0
		6935987	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	11/17/16	05/31/18	382	147,970	0
		6935988	C	P069201	HR0011-15-C-0084	Belcher /Angela M	11/17/16	05/31/18	1,729	478,541	(62)
		6935989	C	P069201	HR0011-15-C-0084	Lu /Timothy K	11/17/16	05/31/18	(2,674)	174,867	0
		6936090	G	P066000	HR00111720029	Agarwal /Anuradha	04/01/17	03/31/21	93,007	167,490	42,377
		6936091	G	P066000	HR00111720029	Hu /Juejun	04/01/17	03/31/20	186,531	468,585	178,510
		6936092	G	P066000	HR00111720029	Hu /Juejun	04/01/17	03/31/20	198,395	472,895	170,622
		6936093	G	P066000	HR00111720029	Hu /Juejun	04/01/17	03/31/20	148,070	465,580	152,773
		6936762	G	P267500	HR00111720061	Kim /Jeehwan	08/01/17	07/31/19	150,325	490,696	68,842
		6936923	G	P267500	HR00111720061	Kim /Jeehwan	08/01/17	07/31/19	248,408	509,303	74,715
		6937124	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	02/01/17	05/31/18	(7,249)	177,592	0
		6937125	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/01/17	09/30/18	1,096	209,055	512
		6937126	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/01/17	05/31/18	(389)	29,270	0
		6937173	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/01/17	09/30/18	116	117,819	8,993
		6937572	G	P039020	HR00111820007	Gershenfeld /Neil A	11/03/17	07/12/19	337,577	536,250	25,719
		6937757	C	P067952	HR001118C0018	Chlipala /Adam	12/08/17	04/07/20	0	0	0
		6937758	C	P067952	HR001118C0018	Chlipala /Adam	12/08/17	04/07/20	272,596	693,506	308,911
		6937759	C	P067952	HR001118C0018	Devadas /Srinivas	12/08/17	04/07/20	407,896	630,871	79,034
		6937760	C	P067952	HR001118C0018	Mithal /Arvind	12/08/17	04/07/20	204,016	566,161	252,866
		6938170	C	P067952	HR001118C0018	Chlipala /Adam	12/08/17	04/07/20	164,467	357,623	121,552
		6938624	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	0	0	(30)
		6938625	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	1,669	31,589	29,919
		6938626	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	237,231	281,677	27,139
		6938627	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	261,676	370,639	108,963
		6938628	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	486,310	659,785	162,012
		6938629	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	39,575	460,155	420,580
		6938630	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	682,312	1,610,704	780,342
		6938631	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	2,188,931	5,542,576	3,353,646
		6938632	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	0	0	0
		6938633	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	140,439	183,120	11,052
		6938634	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	239,345	431,937	192,592
		6938636	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	212,402	338,010	108,086
		6938637	C	P069201	HR0011-15-C-0084	Voigt /Christopher A.	05/03/18	05/02/20	0	26,939	26,939
		6938638	C	P069201	HR0011-15-C-0084	Belcher /Angela M	05/03/18	05/02/20	392,502	1,028,763	573,548
		6938639	C	P069201	HR0011-15-C-0084	Lu /Timothy K	05/03/18	05/02/20	73,976	75,652	0
		6938692	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	11/29/19	2,489,919	6,045,922	3,553,508
		6938693	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	11/29/19	11,451,351	22,845,412	11,394,061
		6938745	G	P031000	HR00111810004	Tibbits /Skylar	06/04/18	06/03/19	537,790	557,263	19,473
		6938997	C	P060600	HR0011-18-3-0006	Chandrakasan /Anantha P	05/29/18	11/29/19	106,900	200,000	93,100
		6939148	C	P060600	HR0011-18-3-0006	Shulaker /Max M.	05/29/18	10/31/19	331,887	422,000	90,113
		6939444	G	P067952	HR0011-15-2-0047	Clark /David D	04/01/18	09/30/19	84,732	169,818	85,087
		6940082	G	P031000	HR00111810004	Tibbits /Skylar	12/20/18	06/03/19	153,487	214,134	60,647
		6940089	C	P067952	HR0011-19-9-0021	Demaine /Erik D	12/14/18	08/09/19	127,748	199,765	72,017
		6940090	C	P095500	HR0011-19-9-0021	Christia /Fotini	12/14/18	08/09/19	59,520	15,604	(43,916)
		6940091	C	P067952	HR0011-19-9-0021	Daskalakis /Konstantinos	12/14/18	08/09/19	73,294	24,909	(48,385)
	003821 New Jersey Institute of Technology	6932677	C	P067952	(NP) 996402	Vaikuntanathan /Vinod	08/03/15	08/02/19	155,169	701,035	(44,157)
		6932877	C	P067952	(NP) 996402	Goldwasser /Shafira	07/21/15	03/31/17	0	120,097	0
		6938105	C	P067952	(NP) 996402	Goldwasser /Shafira	08/03/17	08/02/19	62,798	302,500	94,050
	003904 BAE Systems Inc	6937008	C	P067952	964193	Balakrishnan /Hari	04/19/17	04/18/21	262,356	482,000	24,145

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	004298 Sandia National	6934229	C	P061097	AGREEMENT 1340868 / P	Marzouk /Youssef M	05/12/16	09/30/19	249,068	706,071	(12,186)
	005423 Carnegie-Mellor	6938963	G	P154500	1130222-396910	Tenenbaum /Joshua B	12/15/17	03/15/19	162,347	162,347	0
	005658 Smart Informati	6939369	C	P067952	CPS-MIT-01	Williams /Brian C	06/06/18	09/07/20	158,123	100,000	(58,123)
	005678 Draper Laboratory Incorporated	6932696	C	P067952	SC001-0000000918	Roy /Nicholas	09/01/15	12/31/18	0	1,096,872	(24,253)
		6933325	C	P068700	SC001-0000000918	Frazzoli /Emilio	09/01/15	07/13/17	0	171,045	(0)
		6933326	C	P061090	SC001-0000000918	How /Jonathan P	09/01/15	07/13/17	0	100,543	0
		6933327	C	P067952	SC001-0000000918	Tedrake /Russell L	09/01/15	07/13/17	0	188,142	0
		6937353	C	P067952	SUB PO# SC001-00000011	Shah /Julie A	08/15/17	09/05/18	28,437	78,273	(0)
		6937663	C	P067952	SC001-0000000918	Roy /Nicholas	07/14/17	12/31/18	171,374	879,055	27,045
		6937716	C	P061090	SC001-0000000918	How /Jonathan P	07/14/17	12/31/18	12,747	100,000	(3,259)
		6938840	C	P067952	SC-001-1190	Shrobe /Howard E	12/01/17	05/31/19	155,089	158,065	2,475
		6939970	C	P068700	SUB# SC001-1243	Win /Moe Z	11/11/18	07/14/20	38,356	200,000	161,644
	6940529	C	P067952	SC-001-1190	Shrobe /Howard E	03/20/19	02/28/20	0	109,950	109,950	
	005690 Duke University	6938444	G	P067952	313-0793	Broderick /Tamara A	02/20/18	02/19/20	144,812	116,418	(31,502)
		6940057	G	P067952	313-0793	Tenenbaum /Joshua B	02/20/18	02/19/20	48,476	116,418	67,942
	005741 Applied Physica	6938458	C	P065005	APS-18-03	Schmidt /Henrik	01/19/18	07/19/19	192,662	250,000	10,995
	005980 Aptima, Inc.	6937326	C	P067952	SUBCONTRACT NUMBER	Shah /Julie A	08/18/17	07/22/19	(52,890)	240,000	133,104
	005997 BBN Technologies Corporation	6932243	C	P068700	PO LBN9512779	Modiano /Eytan H	07/01/15	08/31/18	23,489	828,549	0
		6934480	C	P065005	14603 / PO 9500013244	Lermusiaux /Pierre	02/18/16	12/28/18	0	120,176	0
		6937311	C	P065005	PO LBN9513244	Lermusiaux /Pierre	07/01/17	12/28/18	83,172	211,252	(2,737)
	006112 Harvard Medical School	6938338	G	P267600	152304.5106735.0006	Lu /Timothy K	01/05/18	07/02/19	409,707	631,300	145,152
		6938925	G	P061902	AGMT. DTD. 6/18/18	Greenberg /Julie E	06/01/18	05/31/19	67,920	67,920	0
		6940234	G	P069201	153283.5110025.0014	Weiss /Ron	12/01/18	05/31/20	153,862	319,580	165,718
	006120 Harvard University	6936802	C	P061901	167936.0001	Collins /James J.	05/25/17	11/24/18	11,624	19,907	(0)
		6939734	G	P061901	167982.0001	Collins /James J.	09/29/17	03/31/19	3,648	6,014	2,366
		6940105	G	P061901	168007.0002/W911NF1920	Collins /James J.	12/01/18	05/31/22	2,236	6,215	3,979
		6940300	G	P158000	AGMT DTD 3/19/2019	Chuang /Isaac	09/01/18	01/15/19	14,164	14,584	419
		6940390	G	P061901	167936.0003	Collins /James J.	11/25/18	05/24/19	6,183	6,093	(90)
	006907 Aurora Flight Sciences RDC	6935749	C	P061097	AMA-17-0001	Cahoy /Kerri	09/27/16	08/31/19	10,463	234,282	6,964
		6936333	C	P061097	AGRMT EFF. 9/27/16	Cahoy /Kerri	05/01/17	08/31/19	100,280	152,025	25,656
	007150 Princeton University	6939778	C	P267200	SUBCONTRACT NO: SUBC	Soljacic /Marin	09/28/18	06/23/19	61,689	150,000	88,311
		6940192	G	P267500	SUB00000294	Hu /Qing	12/07/18	01/06/20	96,740	300,063	203,323
	007533 University of California	6938347	G	P067952	KK1838	Katabi /Dina	01/01/18	12/31/19	313,681	609,508	192,591
	007598 University of Tennessee	6939789	G	P069201	9500074403	Voigt /Christopher A.	09/28/18	09/30/20	0	0	0
		6939883	G	P069200	9500074403	Belcher /Angela M	09/28/18	04/15/19	54,565	72,001	17,436
		6939884	G	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	40,977	44,354	3,377
		6939885	G	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	19,960	19,208	(752)
		6939886	G	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	70,176	71,448	1,272
		6939887	G	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	22,977	22,306	(671)
		6939888	G	P069201	9500074403	Voigt /Christopher A.	09/28/18	04/15/19	6,505	8,014	1,509
6940665		G	P069200	9500074403	Belcher /Angela M	03/26/19	09/30/20	22,464	196,191	173,727	
6940666		G	P069201	9500074403	Voigt /Christopher A.	03/26/19	09/30/20	21,225	235,606	214,381	
6940667		G	P069201	9500074403	Voigt /Christopher A.	03/26/19	09/30/20	25,814	198,826	173,012	
	6940668	G	P069201	9500074403	Voigt /Christopher A.	03/26/19	09/30/20	3,391	10,685	7,294	
007614 University of Utah	6935759	C	P061093	10043182-MIT	Haimes /Robert	01/01/17	12/31/19	50,780	239,610	38,492	
	6935768	G	P061093	10043028-MIT	Haimes /Robert	01/01/17	12/31/20	197,378	567,450	140,000	
007623 University of Chicago	6938423	G	P154500	FP067719	Tenenbaum /Joshua B	01/08/18	07/07/19	148,391	139,062	(24,116)	

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	007630 University of Pennsylvania	6939752	G	P121012	35206 / PO 4126113	Rand /David Gertler	07/01/18	01/16/19	184,321	184,321	0
		6940107	G	P121012	575467 / PO #4174326	Rand /David Gertler	10/17/18	10/16/19	179,942	179,764	(178)
	007640 University of Virginia	6938713	G	P066000	GG12078.157800	Beach /Geoffrey Stephen	11/03/17	09/11/19	103,999	225,000	9
	007641 University of Michigan	6938346	C	P067952	3004811123	Amarasinghe /Saman P	01/01/18	12/31/19	736,111	942,197	154,270
		6939785	C	P067952	3005210117	Shun /Julian	07/01/18	12/31/19	15,236	133,943	118,707
	007676 University of California - Berkeley	6938520	G	P068700	00009805	Parrilo /Pablo A	04/05/18	09/30/19	88,717	225,000	120,211
		6938878	G	P068700	00009805	Ozdaglar /Asuman E	04/05/18	09/30/19	96,266	225,000	116,883
	010207 NVIDIA Corporation	6938939	C	P067952	PO 56090640	Amarasinghe /Saman P	06/01/18	07/31/19	625,072	734,204	109,132
		6939240	C	P067952	PO 56090640	Sanchez Martin /Daniel	06/01/18	07/31/19	225,809	105,815	(119,994)
		6939241	C	P267110	PO 56090640	Sze /Vivienne	06/01/18	07/31/19	125,081	81,023	(44,058)
	010718 United Technologies Corp.	6935230	C	P061097	1224171 / PO# 2604891	Marzouk /Youssef M	11/01/16	10/19/19	117,388	394,010	77,016
	010852 Raytheon BBN Technologies Corp.	6936196	C	P267300	SLIN 0001 / LBN9513537	Medard /Muriel	04/14/17	04/10/21	291,337	684,305	97,563
		6938139	G	P067952	LBN9513645	Torralba /Antonio	11/03/17	09/30/19	241,496	360,000	39,518
		6940318	C	P069201	BBN REF ID # 90065	Weiss /Ron	02/04/19	03/31/20	46,774	354,654	307,880
	011147 SYSTEMS & TE	6937319	C	P121012	2017-0026	Zaman /Tauhid R	09/30/17	09/10/19	191,338	249,912	15,261
	011382 IBM Thomas J. Watson Research Center	6933416	C	P067952	AGREEMENT # 491501280	Goldwasser /Shafrira	07/29/15	09/16/18	0	283,134	(3,438)
		6933545	C	P067952	AGREEMENT # 491501280	Vaikuntanathan /Vinod	07/30/15	09/16/17	(3,060)	275,983	(0)
		6938119	C	P067952	AGREEMENT # 491501280	Goldwasser /Shafrira	07/29/15	09/16/18	0	0	0
		6938120	C	P067952	AGREEMENT # 491501280	Goldwasser /Shafrira	07/29/15	09/16/18	18,635	60,522	0
		6938121	C	P067952	AGREEMENT # 491501280	Vaikuntanathan /Vinod	07/29/15	09/16/18	86,467	247,749	0
	011712 Aarno Labs LLC	6939022	C	P067952	SUB UNDER HR001118C0	Rinard /Martin C	04/01/18	09/30/19	271,479	500,000	228,521
	101362 On Demand Pharmaceuticals Inc	6934747	G	P062000	001	Jensen /Klavs F	08/01/16	10/31/18	170,720	787,055	136
		6935008	G	P152000	001	Jamison /Timothy F	08/01/16	09/30/18	(251)	301,939	(0)
		6935009	G	P062000	001	Myerson /Allan S.	08/01/16	09/30/18	(20,996)	684,361	(0)
		6935319	G	P062000	001	Jensen /Klavs F	11/01/16	09/30/18	9,145	189,744	0
		6935927	G	P062000	001	Myerson /Allan S.	08/01/16	09/30/18	26,601	336,901	0
		6937271	G	P062000	001	Myerson /Allan S.	09/01/17	09/30/18	(1,272)	202,164	(0)
	102105 Ecovative Design LLC	6939026	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	06/15/18	12/15/19	81,105	369,283	288,178
		6939027	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	06/15/18	12/15/19	92,794	369,054	276,260
		6939030	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	06/15/17	12/15/19	163,752	366,152	202,400
		6939031	C	P069201	AGT DATED 6/30/18	Voigt /Christopher A.	06/15/18	12/15/19	101,932	366,154	264,222
	105169 Perspecta Labs Inc.	6932420	C	P067952	PO-0004102	Williams /Brian C	07/01/15	06/30/18	18,936	749,317	(0)
		6934363	C	P067952	PO-0008492	Williams /Brian C	06/20/16	06/30/19	293,479	500,000	(62,244)
		6935031	C	P067952	PO-0008492	O'Reilly /Una-May	09/01/16	06/30/19	91,237	700,000	3,290
		6939719	C	P067952	PO-0016764 PRIME HR00	Shrobe /Howard E	07/05/18	07/22/22	72,851	145,000	72,149
		6939771	C	P067900	PO-0016764 PRIME HR00	O'Reilly /Una-May	07/05/18	07/22/22	157,715	150,000	(7,715)
	<b>Total by Primary Sponsor</b>								<b>35,180,610</b>	<b>115,743,176</b>	<b>28,290,004</b>
000162 Department of Homeland Security	000162 Department of Homeland Security	6931189	G	P068000	2014-DN-077-ARI080-04	Lanza /Richard C	09/17/14	08/31/19	172,476	1,309,210	10,673
		6931358	G	P067952	2014-DN-077-ARI080-02	Fisher /John W	09/17/14	08/31/19	45,187	594,479	(27,332)
	<b>Total by Primary Sponsor</b>								<b>217,663</b>	<b>1,903,689</b>	<b>(16,659)</b>
000163 Defense Threat Reduction Agency	000163 Defense Threat Reduction Agency	6928163	G	P062000	HDTRA1-13-1-0038	Olsen /Bradley D.	07/03/13	07/02/19	167,136	1,911,352	1,471
		6928242	G	P165000	HDTRA1-13-1-0038	Ribbeck /Katharina	07/03/13	07/02/19	(39,821)	773,185	(0)
		6929100	G	P267600	HDTRA1-14-1-0007	Lu /Timothy K	01/15/14	02/14/20	294,989	2,500,000	91,129
		6930550	G	P060600	HDTRA1-14-1-0057	del Alamo /Jesus A	09/02/14	11/30/19	160,886	993,000	79,271
		6930976	G	P060600	HDTRA1-14-1-0057	del Alamo /Jesus A	09/02/14	11/30/19	139,323	757,000	91,725
		6931493	G	P061901	HDTRA1-15-1-0040	Collins /James J.	02/12/15	02/14/19	456,266	2,000,000	(50)

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		6931933	G	P267600	HDTRA1-15-1-0050	Lu /Timothy K	05/13/15	05/01/20	468,858	2,333,333	244,770
		6932146	G	P061901	HDTRA1-15-1-0051	Collins /James J.	06/12/15	09/13/19	527,479	1,977,862	(19,654)
		6932290	G	P069850	HDTRA1-15-1-0060	Hu /Juejun	07/08/15	02/07/19	50,031	600,000	0
		6934034	G	P062000	HDTRA1-16-1-0038	Olsen /Bradley D.	05/05/16	05/04/20	197,228	600,000	147,077
	005508 Columbia Unive	6927546	G	P068700	1(GG007792)	Modiano /Eytan H	01/15/13	12/31/19	76,604	578,233	21,842
	005919 George Mason	6939518	G	P267600	E2045481	Lu /Timothy K	07/12/18	07/11/19	85,329	103,661	18,332
	006953 Ohio State Univ	6931042	G	P068700	60040869/RF01385268	Modiano /Eytan H	09/02/14	12/31/19	100,888	435,000	(5,511)
	007676 University of Ca	6940831	G	P066000	SUBAGREEMENT NO. 000	Alexander-Katz /Alfredo	02/07/19	02/06/20	0	199,413	199,413
	<b>Total by Primary Sponsor</b>								<b>2,685,196</b>	<b>15,762,039</b>	<b>869,815</b>
000167 Defense Microelectronics Activity (DMEA)	104891 Potomac Institu	6939559	C	P067952	SUBCONTRACT NUMBER	Shrobe /Howard E	09/15/18	07/15/19	44,238	80,000	35,762
	<b>Total by Primary Sponsor</b>								<b>44,238</b>	<b>80,000</b>	<b>35,762</b>
000178 United States Army Medical Research Acquisition Activity	000178 United States Army Medical Research Acquisition Activity	6934980	G	P151059	W81XWH-16-1-0671	Keating /Amy E	09/30/16	09/29/19	132,954	424,971	36,329
		6937329	G	P039000	W81XWH-17-1-0669	Esvelt /Kevin Michael	09/30/17	09/29/19	110,934	386,325	241,878
		6938766	G	P062000	W81XWH-18-2-0010	Olsen /Bradley D.	06/01/18	05/31/21	40,382	540,584	500,202
		6938937	G	P402000	W81XWH-18-1-0208	Birnbaum /Michael E	07/01/18	12/31/19	233,414	311,167	77,753
		6939235	G	P151002	W81XWH1810515	Schwartz /Thomas	08/15/18	08/14/21	373,784	1,477,557	1,103,773
		6939722	G	P062000	W81XWH-18-2-0010	Olsen /Bradley D.	06/01/18	05/31/21	0	768,049	768,049
		6940689	G	P151002	W81XWH1810515	Schwartz /Thomas	04/25/19	06/30/19	5,761	8,105	2,344
		6940724	G	P039070	W81XWH-19-1-0151	Herr /Hugh M	04/15/19	04/14/22	33,800	1,500,000	1,466,200
	005260 Beth Israel Deaconess Medical Center	6936075	G	P402000	01029123	Yaffe /Michael B	09/30/16	09/29/21	0	0	0
		6936076	C	P402000	01029123	Yaffe /Michael B	09/30/16	09/29/17	0	179,302	(0)
		6940238	G	P402000	01029123	Yaffe /Michael B	09/30/18	09/29/19	149,116	231,091	81,975
	005321 Brigham & Women's Hospital	6940336	G	P039070	SUBAWARD 117951	Herr /Hugh M	09/15/17	09/14/19	122,804	176,072	53,268
		6940338	G	P039070	SUBAWARD 119948	Herr /Hugh M	09/30/18	09/29/19	50,352	293,671	243,319
	<b>Total by Primary Sponsor</b>								<b>1,253,302</b>	<b>6,296,894</b>	<b>4,575,089</b>
000182 United States Army Research Laboratory	000182 United States Army Research Laboratory	6940151	G	P267200	W911NF1920065	Shao-Horn /Yang	01/23/19	01/22/20	50,836	115,000	64,164
		6940626	G	P039020	W911NF1920117	Gershenfeld /Neil A	03/29/19	03/28/22	8,740	149,985	141,245
		6940846	G	P067952	W911NF1920144	Shah /Julie A	04/30/19	04/29/20	0	99,999	99,999
	007614 University of Ut	6939676	G	P061093	10048163-MIT	Haimes /Robert	07/31/18	07/30/19	29,055	22,240	(6,815)
	007630 University of Pennsylvania	6937915	C	P061090	572622	Roy /Nicholas	09/01/17	08/31/22	(15,602)	1,207,575	1,207,575
		6939085	C	P061090	572622	Roy /Nicholas	09/01/17	08/31/22	40,052	54,250	14,198
		6939086	C	P067952	572622	Roy /Nicholas	09/01/17	08/31/22	469,744	150,000	(319,744)
		6939087	C	P061090	572622	How /Jonathan P	09/01/17	08/31/22	231,238	150,000	(81,238)
		6939088	C	P061096	572622	Shah /Julie A	09/01/17	08/31/22	295,069	150,000	(145,069)
		6939089	C	P061097	572622	Karaman /Sertac	09/01/17	08/31/22	281,603	150,000	(131,603)
		6939090	C	P061097	572622	Carlone /Luca	09/01/17	08/31/22	293,479	150,000	(143,479)
		6940647	G	P061090	SUB# 576432	Roy /Nicholas	03/01/19	02/28/20	0	99,262	99,262
	102131 H. F. Webster E	6940060	G	P066000	AGRMNT DTD. 10/01/2018	Schuh /Christopher A	10/01/18	09/30/19	73,168	100,000	26,832
	<b>Total by Primary Sponsor</b>								<b>1,757,382</b>	<b>2,598,311</b>	<b>825,327</b>
000190 Department of Defense - Miscellaneous	001134 Ministry of Defense of Israel	6931680	C	P068700	PO 4440949975	Karaman /Sertac	06/01/15	05/31/19	27	300,000	52,543
		6938047	C	P267300	PO 4440884397	Fink /Yoel	11/16/18	11/15/19	166,730	150,000	(16,730)
	006112 Harvard Medical	6939479	G	P061902	45493.2019.0001 / PO 7001	Greenberg /Julie E	09/01/18	05/31/19	52,780	53,282	502

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance	
	007387 Stevens Institute of Technology	6929106	C	P069400	AGREEMENT DATED 9/27	Rhodes /Donna H	09/27/13	02/15/19	0	139	139	
		6929135	C	P069400	AGREEMENT DATED 9/27	Rhodes /Donna H	01/01/14	12/31/14	0	96,781	(0)	
		6930096	C	P069400	HQ0034-13-D004	Rhodes /Donna H	09/27/13	02/28/15	0	415,000	0	
		6931282	C	P069400	HQ0034-13-D004/ TO #037	Rhodes /Donna H	12/19/14	12/18/15	0	96,270	0	
		6931637	C	P069400	HQ0034-13-D004/TO #043	Rhodes /Donna H	03/02/15	03/01/16	0	416,630	(0)	
		6933776	C	P069400	AGMT DTD 03/02/2016	Rhodes /Donna H	03/02/16	03/01/17	0	343,779	(0)	
		6934069	C	P069400	2102620-02	Rhodes /Donna H	04/29/16	04/28/17	0	87,890	(0)	
		6936008	C	P069400	HQ0034-13-D-0004/TO #00	Rhodes /Donna H	03/01/17	02/28/18	252	268,476	(0)	
		6936805	C	P069400	HQ0034-13-D-0004/TO # H	Rhodes /Donna H	06/22/17	06/21/18	(1,637)	70,233	(0)	
		6938201	C	P069400	HQ0034-13D-0004/TO# HC	Rhodes /Donna H	02/16/18	02/15/19	30,675	32,816	0	
		6938272	C	P069400	HQ0034-13-D-00004/TO# H	Rhodes /Donna H	03/02/18	03/01/19	137,233	214,892	1	
	6939449	C	P069400	2102876-03	Rhodes /Donna H	08/24/18	08/23/19	48,811	56,250	7,438		
	Total by Primary Sponsor									434,872	2,602,438	43,894
000191 DOD - Miscellaneous - Non Pool	001134 Ministry of Defense	6931907	C	P068700	PO 4440661300	Karaman /Sertac	06/01/15	11/30/18	0	380,000	31,720	
		003157 HRL Laboratories, LLC	6933521	C	P267300	15026-503667-DS/BCX3.15	Orlando /Terry Philip	01/22/16	12/11/17	0	300,000	0
			6935707	C	P267300	15026-503667-DS/BFX3.15	Oliver /William D	12/12/16	05/31/18	0	195,117	(0)
			6941115	C	P267300	15026-503667-DS	Oliver /William D	05/01/19	12/31/19	0	0	0
	Total by Primary Sponsor									0	875,117	31,720
000192 DOD-Agency	000192 DOD-Agency	6940841	G	P063000	W911NF-19-1-0275	Cohen /Tal	05/13/19	05/12/22	17,743	60,000	42,257	
	009001 Lincoln Laboratory	6940202	C	P061090	PO#7000442474	Stirling /Leia A.	10/01/18	09/30/19	82,522	140,000	57,478	
	102127 Advanced Functional Fabrics of America (AFFOA)	6938682	G	P069850	EXHIBIT 1-A	Tibbits /Skylar	05/08/18	10/31/19	598,690	916,786	288,079	
		6938794	G	P417500	EXHIBIT 1-A	Hart /Anastasios John	05/08/18	05/07/19	66,128	66,128	0	
	104685 Civil-Military Interactions	6939234	C	P401823	1807-001	Murray /Fiona E	07/01/18	06/30/19	134,707	235,000	100,293	
Total by Primary Sponsor									899,790	1,417,914	488,107	
000193 Air Force Research Laboratory - WPAFB	000193 Air Force Research Laboratory - WPAFB	6935567	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	12/29/19	0	0	0	
		6935572	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	12/29/19	226,302	1,047,456	1,168	
		6935573	C	P060600	FA8650-17-C-9113	Barbastathis /George	11/29/16	12/29/19	186,264	1,233,802	676,490	
		6935575	C	P068000	FA8650-17-C-9113	Lanza /Richard C	11/29/16	11/22/18	10,101	221,397	(24)	
		6935576	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	(18,917)	2,621	0	
		6935624	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	76,034	334,724	524	
		6935625	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	42,255	42,255	(0)	
		6935626	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	40,522	426,269	0	
		6937226	C	P060600	FA8650-17-C-9113	Akinwande /Akintunde I	11/29/16	11/22/18	0	2,159	0	
		6938425	G	P068700	FA8650-18-2-7838	Jadbabaie-Moghadam /Ali	04/11/18	10/10/19	518,824	562,500	26,820	
		6938512	G	P067952	FA8650-18-2-7838	Jegelka /Stefanie Sabrina	04/11/18	10/10/19	130,652	187,500	56,848	
		6940840	G	P039020	FA8650-19-2-7921	Gershenfeld /Neil A	05/24/19	05/23/20	9,539	496,143	486,604	
Total by Primary Sponsor									1,221,577	4,556,825	1,248,430	
000200 DOE - Chicago	000200 DOE - Chicago	6397900	G	P243020	DE-FG02-94ER54235	Porkolab /Miklos	10/15/93	06/30/20	0	5,980	0	
		6398000	G	P243020	DE-FG02-94ER54235	Porkolab /Miklos	10/15/95	06/30/20	25,712	370,393	53,748	
		6398100	G	P243020	DE-FG02-94ER54235	Porkolab /Miklos	10/15/95	06/30/20	98,612	4,102,045	38,770	
		6398200	G	P243020	DE-FG02-94ER54235	Woskov /Paul P	10/15/95	05/31/12	0	3,498,326	0	
		6398300	G	P243020	DE-FG02-94ER54235	Woskov /Paul P	10/15/95	12/14/11	0	876,680	0	
		6398400	G	P243020	DE-FG02-94ER54235	Woskov /Paul P	10/15/95	12/14/11	0	48,175	0	

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6398500	G	P243020	DE-FG02-94ER54235	Petrasso /Richard D	10/15/95	10/14/01	0	112,288	0
		6398700	G	P243020	DE-FG02-94ER54235	Petrasso /Richard D	10/15/95	10/14/01	0	11,580	0
		6398800	G	P243020	DE-FG02-94ER54235	Petrasso /Richard D	10/15/95	10/14/01	0	32,023	(0)
		6398900	G	P243020	DE-FG02-94ER54235	Petrasso /Richard D	10/15/95	10/14/01	0	35,296	0
		6399000	G	P243020	DE-FG02-94ER54235	Woskov /Paul P	10/15/95	10/14/97	0	16	0
		6399100	G	P243020	DE-FG02-94ER54235	Porkolab /Miklos	10/14/97	10/14/97	0	1,133	0
		6674600	G	P243020	DE-FG02-94ER54235	Porkolab /Miklos	04/01/98	03/14/16	0	19,227	(0)
		6782100	G	P243020	DE-FG02-99ER54525	Ram /Abhay Kumar	01/01/99	05/14/18	0	1,245,650	(0)
		6787100	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	0	0	0
		6787200	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	(691)	235,341,686	691
		6787300	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	0	20,960,976	(0)
		6787400	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	0	2,021,465	(0)
		6787500	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	0	1,455,548	(0)
		6787600	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	0	751,504	(0)
		6787700	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	0	3,661,265	0
		6787800	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	12/31/16	0	2,787,197	0
		6787900	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	0	6,096,209	0
		6788000	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	0	11,254,663	0
		6788100	G	P243020	DE-FC02-99ER54512	Whyte /Dennis G	12/01/98	09/30/17	0	5,337,465	(0)
		6793100	G	P243020	DE-FC02-99ER54512	Fasoli /Ambrogio F	12/01/98	06/30/05	0	86,013	(0)
		6793400	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	0	365,864	0
		6793600	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	12/01/98	09/30/17	0	118,651	0
		6793700	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	12/01/98	09/30/17	0	1,584,835	(0)
		6793800	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	12/01/98	09/30/17	0	1,239,265	(0)
		6793900	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	12/01/98	09/30/17	0	1,675,008	(0)
		6794000	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	12/01/98	09/30/17	0	761,769	(0)
		6794100	G	P243020	DE-FC02-99ER54512	Fiore /Catherine L	12/01/98	12/31/16	0	30,098	0
		6794200	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	12/01/98	09/30/17	0	104,927	0
		6794300	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/12	0	6,956	0
		6794400	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/13	0	33,956	0
		6794500	G	P243020	DE-FC02-99ER54512	Granetz /Robert S	12/01/98	10/31/12	0	101,462	0
		6794900	G	P243020	DE-FC02-99ER54512	Porkolab /Miklos	12/01/98	10/31/13	0	100,062	0
		6795000	G	P243020	DE-FC02-99ER54512	Porkolab /Miklos	12/01/98	10/31/13	0	459,368	0
		6795100	G	P243020	DE-FC02-99ER54512	Porkolab /Miklos	12/01/98	12/31/16	0	103,599	0
		6795200	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/12	0	881,341	0
		6795500	G	P243020	DE-FC02-99ER54512	Lipschultz /Bruce	12/01/98	10/31/13	0	59,782	0
		6810300	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	04/30/12	0	10,898	0
		6849900	G	P243020	DE-FC02-99ER54512	Porkolab /Miklos	02/01/99	10/31/02	0	4,201	0
		6852100	G	P243020	DE-FC02-99ER54512	Greenwald /Martin J	12/01/98	06/30/17	0	2,258,955	(0)
		6868100	G	P243020	DE-FC02-99ER54512	Wukitch /Stephen James	07/01/99	04/18/12	0	36,236	0
		6880000	G	P243020	DE-FC02-99ER54512	Greenwald /Martin J	12/01/98	10/31/07	0	16,003	(0)
		6890314	G	P243020	DE-FC02-99ER54512	Greenwald /Martin J	08/01/99	10/31/06	0	31,526	0
		6890402	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	11/15/99	10/31/12	0	17,124	0
		6890487	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	12/31/16	0	162,095	0
		6890811	G	P243020	DE-FC02-99ER54512	Hutchinson /Ian Horner	06/01/00	10/31/03	0	8,468	0
		6890979	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/13	0	272,885	0
		6891011	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	02/01/00	10/31/07	0	1,035,233	(0)

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		6891151	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	08/31/15	0	1,514,702	0
		6891259	G	P152000	DE-FG02-00ER15087	Nelson /Keith Adam	09/01/00	12/31/15	4,593	1,927,232	(0)
		6891261	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	0	312,716	0
		6891262	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	03/01/00	09/30/17	0	558,461	0
		6891263	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/09	0	17,958	0
		6891338	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	02/01/00	10/31/07	0	124,701	0
		6891339	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	02/01/00	10/31/07	0	1,219,650	0
		6891348	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	02/01/00	10/31/07	0	27,402	0
		6891349	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	02/01/00	10/31/07	0	95,948	0
		6891350	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	02/01/00	10/31/07	0	42,878	0
		6891351	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	02/01/00	10/31/07	0	266,520	0
		6891352	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	02/01/00	10/31/07	0	162,803	0
		6891609	G	P243020	DE-FC02-99ER54512	Greenwald /Martin J	12/01/00	10/31/10	0	26,480	0
		6891610	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	11/01/00	10/31/13	0	42,627	0
		6892190	G	P243020	DE-FC02-99ER54512	Hutchinson /Ian Horner	01/01/99	08/23/02	0	10,143	0
		6892229	G	P243020	DE-FC02-99ER54512	Parker /Ronald R	02/01/00	10/31/07	0	23,751	(0)
		6892466	G	P243020	DE-FC02-99ER54512	Porkolab /Miklos	08/15/01	10/31/03	0	4,615	0
		6893067	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	11/01/01	09/30/17	0	2,687,557	0
		6893099	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	11/15/01	10/31/12	0	37,264	0
		6894364	G	P243020	DE-FC02-99ER54512	Lipschultz /Bruce	08/15/02	10/31/13	0	198,634	0
		6894365	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	07/01/02	10/31/11	0	33,318	0
		6894544	G	P243020	DE-FG02-94ER54235	Porkolab /Miklos	04/15/02	03/14/17	0	153,578	0
		6894545	G	P243020	DE-FG02-94ER54235	Porkolab /Miklos	04/15/02	03/14/17	0	104,949	0
		6894939	G	P243020	DE-FC02-99ER54512	Parker /Ronald R	04/01/03	09/30/17	0	1,450,135	0
		6894990	G	P243020	DE-FC02-99ER54512	Parker /Ronald R	03/01/01	10/31/10	0	388,886	0
		6895063	G	P243020	DE-FC02-99ER54512	Granetz /Robert S	01/01/03	10/31/12	0	97,004	0
		6895064	G	P243020	DE-FC02-99ER54512	Lipschultz /Bruce	06/01/03	10/31/12	0	73,766	0
		6895065	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	10/01/02	10/31/12	0	296,167	0
		6895066	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	10/01/02	12/31/16	0	1,290,586	0
		6895230	G	P243020	DE-FC02-99ER54512	Egedal-Pedersen /Jan	05/01/03	10/31/12	0	3,081	0
		6895231	G	P243020	DE-FC02-99ER54512	Parker /Ronald R	02/01/03	10/31/13	0	109,016	0
		6895551	G	P243020	DE-FC02-99ER54512	Parker /Ronald R	04/01/03	10/31/12	0	1,723,712	0
		6895656	G	P243020	DE-FC02-99ER54512	Stillerman /Joshua A	09/01/03	10/31/13	0	56,041	0
		6895822	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	10/01/03	12/31/16	0	296,601	0
		6896184	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	03/01/04	10/31/12	0	10,557	0
		6896185	G	P243020	DE-FC02-99ER54512	Egedal-Pedersen /Jan	01/01/04	10/31/06	0	21,424	0
		6896554	G	P243020	DE-FC02-99ER54512	Egedal-Pedersen /Jan	03/01/04	10/31/12	0	26,136	0
		6896688	G	P243020	DE-FC02-99ER54512	Labombard /Brian	12/01/98	12/31/16	0	127,491	0
		6897242	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	03/01/04	08/31/15	0	140,786	0
		6897474	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/12	0	23,494	0
		6897475	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/13	0	7,225	0
		6898536	G	P243020	DE-FC02-99ER54512	Rice /John E	12/01/98	10/31/12	0	66,037	0
		6898761	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	08/01/03	09/30/17	0	817,966	(0)
		6899824	G	P267100	DE-FG02-94ER54235	Bers /Abraham	06/01/06	02/14/08	0	4,799	(0)
		6899874	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/13	0	139,278	0
		6899883	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	12/31/16	0	212,363	0
		6914216	G	P243020	DE-FC02-99ER54512	Porkolab /Miklos	12/01/98	10/31/13	0	67,692	0
		6915148	G	P243020	DE-FC02-99ER54512	Wukitch /Stephen James	10/01/06	10/31/12	0	327,954	0
		6915163	G	P243020	DE-FC02-99ER54512	Granetz /Robert S	10/01/06	08/31/15	0	51,550	0

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		6915268	G	P243020	DE-FC02-99ER54512	Rice /John E	06/01/06	10/31/13	0	125,082	0
		6915269	G	P243020	DE-FC02-99ER54512	Greenwald /Martin J	04/01/07	10/31/13	0	88,271	0
		6916596	G	P243020	DE-FC02-99ER54512	Wukitch /Stephen James	08/01/03	08/31/15	0	162,615	0
		6916783	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	10/01/06	10/31/12	0	60,668	0
		6916784	G	P243020	DE-FC02-99ER54512	Wukitch /Stephen James	10/01/06	08/31/15	0	145,189	0
		6917377	G	P243020	DE-FC02-08ER54966	Ernst /Darin R	02/15/08	02/14/20	334,043	1,190,000	111,727
		6918093	G	P243020	DE-FC02-99ER54512	Labombard /Brian	06/01/08	12/31/16	0	98,732	0
		6918141	G	P069850	DE-FG02-08ER46514	Ashoori /Raymond	08/01/08	07/31/17	(85,434)	1,503,650	0
		6918183	G	P243020	DE-FC02-99ER54512	Labombard /Brian	06/01/08	08/31/14	0	118,439	0
		6918646	G	P243020	DE-FC02-99ER54512	Whyte /Dennis G	12/01/98	10/31/11	0	7,309	0
		6919150	G	P243020	DE-FG02-94ER54235	Whyte /Dennis G	12/15/08	03/14/13	0	946,087	0
		6919176	G	P243020	DE-FC02-99ER54512	Terry /James L	06/01/08	10/31/13	0	5,163	0
		6919177	G	P243020	DE-FC02-99ER54512	Lipschultz /Bruce	01/01/09	10/31/13	0	36,057	0
		6919178	G	P243020	DE-FC02-99ER54512	Terry /James L	01/01/09	10/31/13	0	62,101	0
		6919484	G	P243020	DE-FC02-99ER54512	Wukitch /Stephen James	03/01/09	08/31/15	0	21,661	0
		6919681	G	P243020	DE-FG02-94ER54235	Whyte /Dennis G	05/01/09	03/14/13	0	164,860	0
		6920592	G	P069850	DE-SC0002633	Tuller /Harry L	09/15/09	07/14/18	24,317	2,215,190	(0)
		6920620	G	P069850	DE-SC0002633	Van Vliet /Krystyn J	09/15/09	07/14/18	5,649	1,285,788	0
		6920621	G	P069850	DE-SC0002633	Yildiz /Bilge	09/15/09	07/14/18	2,948	1,783,342	(0)
		6920624	G	P069850	DE-SC0002633	Chiang /Yet-Ming	09/15/09	07/14/18	66,840	1,382,741	(0)
		6920625	G	P069850	DE-SC0002633	Carter /W Craig	09/15/09	07/14/18	11,764	227,327	0
		6920639	G	P243020	DE-FC02-99ER54512@200	Marmar /Earl S	11/01/08	12/31/12	0	0	0
		6920756	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	11/01/08	12/31/12	0	95,367	0
		6920757	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	11/01/08	12/31/12	0	839,633	0
		6920950	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	11/01/09	10/31/13	0	53,626	0
		6921329	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/12	0	49,102	0
		6921351	G	P243020	DE-FC02-99ER54512@200	Marmar /Earl S	11/01/08	06/30/11	0	1,017,837	0
		6921352	G	P243020	DE-FC02-99ER54512@200	Marmar /Earl S	11/01/08	06/30/11	0	450,976	0
		6921353	G	P243020	DE-FC02-99ER54512@200	Marmar /Earl S	11/01/08	06/30/11	0	217,518	0
		6921354	G	P243020	DE-FC02-99ER54512@200	Marmar /Earl S	11/01/09	09/30/13	0	113,794	0
		6921355	G	P243020	DE-FC02-99ER54512@200	Marmar /Earl S	12/01/09	09/30/13	0	248,237	0
		6921356	G	P243020	DE-FC02-99ER54512@200	Marmar /Earl S	10/01/09	09/30/13	0	417,656	0
		6921357	G	P243020	DE-FC02-99ER54512@200	Marmar /Earl S	12/01/09	09/30/13	0	1,376,095	0
		6921358	G	P243020	DE-FC02-99ER54512@200	Marmar /Earl S	01/01/10	09/30/13	0	263,593	0
		6921360	G	P243020	DE-FC02-99ER54512@200	Marmar /Earl S	01/01/10	09/30/13	0	854,295	0
		6921438	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	10/01/09	10/31/12	0	11,900	0
		6921809	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	12/31/16	0	128,920	0
		6921810	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/13	0	26,208	0
		6922157	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	12/31/16	0	60,496	0
		6923686	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	09/01/10	08/31/14	0	110,904	0
		6923687	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	03/01/11	10/31/13	0	12,004	0
		6923881	G	P243020	DE-FC02-99ER54512	White /Anne E.	12/01/98	06/30/16	0	50,000	0
		6923916	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/13	0	22,970	0
		6924356	G	P243020	DE-FC02-99ER54512	Savage /T. Brandon	07/01/11	12/31/16	0	64,019	0
		6924790	G	P243020	DE-FC02-99ER54512	Terry /David Rankin	08/15/11	10/31/13	0	180,700	0
		6924794	G	P243020	DE-FC02-99ER54512	Granetz /Robert S	04/01/11	10/31/13	0	8,034	0
		6924795	G	P243020	DE-FC02-99ER54512	Lipschultz /Bruce	08/15/11	10/31/13	0	29,085	0
		6924796	G	P243020	DE-FC02-99ER54512	White /Anne E.	06/01/11	08/31/15	0	27,531	0
		6924797	G	P243020	DE-FC02-99ER54512	Terry /James L	07/01/11	10/31/13	0	12,236	0

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		6925265	G	P243020	DE-FC02-99ER54512	Parra Diaz /Felix Ignacio	12/01/98	10/31/13	0	49,586	(0)
		6926332	G	P243020	DE-FC02-99ER54512	Hubbard /Amanda E	12/01/98	09/30/17	0	187,127	0
		6926549	G	P243020	DE-SC0008737	Greenwald /Martin J	08/01/12	07/31/18	2,080	175,000	0
		6926609	G	P069201	DE-SC0008743	Alm /Eric J	09/01/12	08/31/18	(33,711)	1,259,983	0
		6926611	G	P062000	DE-SC0008744	Stephanopoulos /Gregory	09/01/12	08/31/19	444,095	4,332,462	62,936
		6926841	G	P062000	DE-SC0008744	Stephanopoulos /Gregory	09/01/12	11/30/18	0	2,039,600	335,746
		6926842	G	P062000	DE-SC0008744	Stephanopoulos /Gregory	09/01/12	11/30/18	0	379,230	0
		6927122	G	P061093	DE-SC0009297	Willcox /Karen E	12/15/12	12/14/18	124,548	1,217,108	(0)
		6927145	G	P061097	DE-SC0009297	Marzouk /Youssef M	12/15/12	12/14/18	293	874,983	(0)
		6927447	G	P243020	DE-SC0009833	Whyte /Dennis G	02/01/13	03/31/19	124,410	965,988	0
		6927480	G	P063007	DE-SC0008743	Polz /Martin F	09/01/12	08/31/18	182	1,259,981	(0)
		6927569	G	P243020	DE-FC02-99ER54512	Wukitch /Stephen James	12/01/98	08/31/14	0	8,942	0
		6927645	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	10/15/10	12/31/16	0	31,994	0
		6927961	G	P062000	DE-SC0010538	Tisdale /William	05/01/13	07/14/18	(1,845)	975,149	0
		6928128	G	P159900	DE-SC0010495	Detmold /William	07/15/13	01/14/19	67,008	749,935	0
		6928129	G	P066000	DE-SC0010428	Alexander-Katz /Alfredo	07/15/13	07/14/18	3,967	749,888	0
		6928137	G	P069850	DE-SC0010526	Fu /Liang	07/15/13	07/14/18	(307)	750,000	(0)
		6928138	G	P159900	DE-SC0010497	Williams /Michael	07/15/13	07/14/18	(2,210)	750,000	0
		6928419	G	P243020	DE-SC0010720	Wukitch /Stephen James	08/15/13	05/14/19	30,673	3,907,503	3,968
		6928499	G	P065004	DE-SC0010795	Hart /Anastasios John	06/15/13	07/31/19	1,431	583,483	587
		6929175	G	P243020	DE-FC02-99ER54512	Parker /Ronald R	12/01/98	08/31/15	0	6,107	0
		6929294	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	08/31/15	0	9,405	0
		6929295	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	12/31/16	0	104,357	0
		6929514	G	P243020	DE-FC02-99ER54512	Wukitch /Stephen James	12/01/98	08/31/15	0	140,857	0
		6929515	G	P243020	DE-FC02-99ER54512	Labombard /Brian	12/01/98	12/31/16	0	67,690	0
		6929600	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	02/01/14	08/31/15	0	7,346	0
		6929666	G	P243020	DE-FC02-99ER54512	Greenwald /Martin J	12/01/98	12/31/16	0	23,261	0
		6929685	G	P243020	DE-FC02-99ER54512	Parker /Ronald R	12/01/98	08/31/15	0	5,326	0
		6929792	G	P159900	DE-SC0011970	Wyslouch /Boleslaw	02/01/14	12/31/18	29,278	29,290	(0)
		6929793	G	P159900	DE-SC0011970	Fisher /Peter H	02/01/14	12/31/18	36,098	664,401	0
		6930299	G	P066000	DE-SC0012371	Beach /Geoffrey Stephen	05/17/14	08/14/19	61,597	750,000	(301)
		6930459	G	P243020	DE-SC0012469	Marmar /Earl S	09/01/14	09/30/18	11,127	1,391,162	(0)
		6930497	G	P243020	DE-FC02-99ER54512	Parker /Ronald R	04/01/14	12/31/16	0	37,712	0
		6930504	G	P065009	DE-SC0001299	Chen /Gang	08/01/14	01/31/19	9,680	9,212	(468)
		6930505	G	P065009	DE-SC0001299	Chen /Gang	08/01/14	01/31/19	251,550	894,303	(0)
		6930507	G	P267300	DE-SC0001299	Dresselhaus /Mildred S	08/01/14	07/31/18	0	302,119	0
		6930508	G	P065009	DE-SC0001299	Chen /Gang	08/01/14	01/31/19	62,008	1,854,101	(0)
		6930509	G	P065005	DE-SC0001299	Wang /Evelyn	08/01/14	01/31/19	28,830	1,050,302	0
		6930510	G	P065005	DE-SC0001299	Shao-Horn /Yang	08/01/14	01/31/19	24,223	624,909	468
		6930511	G	P152000	DE-SC0001299	Nelson /Keith Adam	08/01/14	07/31/18	(11,401)	735,511	(0)
		6930512	G	P417000	DE-SC0001299	Soljagic /Marin	08/01/14	01/31/19	82,316	1,244,995	0
		6930513	G	P066000	DE-SC0001299	Ross /Caroline A	08/01/14	07/31/18	(12,947)	680,000	(0)
		6930514	G	P065004	DE-SC0001299	Hadjiconstantinou /Nicolas	08/01/14	01/31/19	3,414	399,983	(0)
		6930515	G	P065004	DE-SC0001299	Kolpak /Alexie M	08/01/14	07/31/18	(832)	520,000	0
		6930516	G	P065009	DE-SC0001299	Chen /Gang	08/01/14	01/31/19	11,295	533,842	(0)
		6930517	G	P065009	DE-SC0001299	Chen /Gang	08/01/14	01/31/19	36,667	356,385	0
		6930518	G	P065009	DE-SC0001299	Chen /Gang	08/01/14	01/31/19	17,148	964,194	0

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		6930520	G	P065009	DE-SC0001299	Chen /Gang	08/01/14	07/31/18	0	690,162	0
		6930521	G	P065009	DE-SC0001299	Chen /Gang	08/01/14	01/31/19	0	187	0
		6930522	G	P065009	DE-SC0001299	Chen /Gang	08/01/14	01/31/19	156,607	689,620	(0)
		6930525	G	P267900	DE-SC0001088	Baldo /Marc A	08/01/14	01/31/19	0	0	0
		6930526	G	P267900	DE-SC0001088	Baldo /Marc A	08/01/14	01/31/19	84,115	1,417,118	1
		6930527	G	P267900	DE-SC0001088	Baldo /Marc A	08/01/14	01/31/19	243,680	586,017	(189)
		6930528	G	P267900	DE-SC0001088	Baldo /Marc A	08/01/14	07/31/18	71,981	3,983,262	(0)
		6930529	G	P267900	DE-SC0001088	Baldo /Marc A	08/01/14	07/31/18	68,956	5,459,282	0
		6930530	G	P267900	DE-SC0001088	Baldo /Marc A	08/01/14	07/31/18	20,778	585,604	118
		6930531	G	P152000	DE-SC0001088	Bawendi /Moungi G	08/01/14	07/31/18	0	297,459	0
		6930532	G	P267500	DE-SC0001088	Bulovic /Vladimir	08/01/14	07/31/18	0	291,960	0
		6930533	G	P152000	DE-SC0001088	Dinca /Mircea	08/01/14	07/31/18	0	187,465	0
		6930534	G	P267900	DE-SC0001088	Englund /Dirk R.	08/01/14	07/31/18	22,421	144,589	(0)
		6930535	G	P066000	DE-SC0001088	Gradecak /Silvija	08/01/14	07/31/18	0	107,683	0
		6930536	G	P069850	DE-SC0001088	Jarillo-Herrero /Pablo	08/01/14	07/31/18	0	225,708	(0)
		6930537	G	P267900	DE-SC0001088	Kong /Jing	08/01/14	07/31/18	(581)	138,696	0
		6930538	G	P152000	DE-SC0001088	Nelson /Keith Adam	08/01/14	07/31/18	0	187,980	(0)
		6930539	G	P062000	DE-SC0001088	Tisdale /William	08/01/14	07/31/18	(71)	232,161	71
		6930540	G	P152000	DE-SC0001088	Van Voorhis /Troy	08/01/14	07/31/18	0	113,631	0
		6930541	G	P267900	DE-SC0001088	Berggren /Karl K	08/01/14	07/31/18	0	17,110	(0)
		6930542	G	P069850	DE-SC0001088	Kimerling /Lionel C	08/01/14	07/31/18	0	32,373	(0)
		6930588	G	P065004	DE-SC0010795	Hart /Anastasios John	06/15/13	09/14/18	0	10,609	0
		6930591	G	P243020	DE-FG02-99ER54512	Granetz /Robert S	12/01/98	08/31/15	0	7,364	0
		6930635	G	P063007	DE-SC0012555	Thompson /Janelle Renee	09/01/14	08/31/19	53,671	872,991	925
		6930894	G	P062000	DE-SC0012555	Prather /Kristala L	09/01/14	08/31/19	44,135	558,371	(498)
		6930980	G	P267900	DE-SC0001088	Englund /Dirk R.	10/15/14	07/31/16	0	13,047	0
		6931011	G	P065009	DE-SC0001299	Chen /Gang	10/10/14	07/31/18	0	21,708	0
		6931027	G	P065009	DE-SC0001299	Chen /Gang	08/01/14	01/31/19	0	5,883	0
		6931063	G	P063007	DE-SC0012555	Thompson /Janelle Renee	09/01/14	12/31/15	0	67,973	0
		6931107	G	P267111	DE-SC0001088	Englund /Dirk R.	11/15/14	07/31/16	0	9,330	0
		6931262	G	P417000	DE-SC0001299	Soljagic /Marin	09/01/14	07/31/17	0	8,526	0
		6931300	G	P159900	DE-SC0011970	Fisher /Peter H	10/01/14	07/31/18	0	26,291	0
		6931542	G	P243020	DE-SC0013499	Minervini /Joseph V	02/01/15	06/30/18	(1)	727,000	0
		6931633	G	P069850	DE-SC0001299	Fu /Liang	03/05/15	07/31/18	0	300,000	0
		6931677	G	P152000	DE-FG02-00ER15087	Nelson /Keith Adam	01/01/15	12/31/18	(9,432)	491,204	0
		6931678	G	P152000	DE-FG02-00ER15087	Nelson /Keith Adam	01/01/15	12/31/17	2,085	140,581	0
		6931731	G	P152000	DE-SC0013307	Schrock /Richard Royce	02/15/15	02/14/19	77,626	665,000	0
		6931766	G	P153000	DE-FG02-99ER15004	Rothman /Daniel H	04/15/16	04/14/18	28	521,887	0
		6931770	G	P069200	DE-SC0008743	Alm /Eric J	09/01/12	08/31/18	2,432	2,602,653	0
		6931791	G	P243020	DE-FG02-99ER54563	Porkolab /Miklos	12/23/14	03/31/20	915	287,717	26,513
		6931792	G	P243020	DE-FG02-99ER54563	Porkolab /Miklos	04/01/15	03/31/20	(5,797)	210,600	(27,129)
		6931797	G	P243020	DE-FG02-91ER54109	Bonoli /Paul T	11/15/14	01/31/18	(0)	3,926,189	0
		6931838	G	P065004	DE-SC0010795	Hart /Anastasios John	06/15/13	09/14/18	0	5,754	0
		6931961	G	P159900	DE-FG02-03ER54700	Coppi /Bruno	04/01/15	09/30/18	(26,186)	1,086,000	0
		6932139	G	P159900	DE-SC0013999	Slatyer /Tracy Robyn	07/15/15	07/14/20	165,630	750,000	148,064
		6932140	G	P159900	DE-SC0013905	Lee /Yen-Jie	07/15/15	07/14/20	46,043	750,000	43,148
		6932170	G	P243020	DE-FG02-99ER54512	Marmar /Earl S	12/01/98	09/30/17	0	9,593	0

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		6932250	G	P243020	DE-SC0014229	Porkolab /Miklos	05/15/15	08/14/18	294,568	755,607	0
		6932342	G	P069850	DE-SC0001088	Levitov /Leonid	08/01/15	07/31/18	0	41,277	0
		6932344	G	P068000	DE-SC0001088	Li /Ju	08/01/15	07/31/18	12,822	50,030	0
		6932345	G	P165000	DE-SC0001088	Bathe /Mark	08/01/15	02/28/17	0	23,214	0
		6932346	G	P152000	DE-SC0001088	Schlau-Cohen /Gabriela S	08/01/15	07/31/18	0	49,376	(0)
		6932347	G	P152000	DE-SC0001088	Willard /Adam P.	08/01/15	07/31/18	1,060	49,779	0
		6932348	G	P267111	DE-SC0001088	Englund /Dirk R.	08/01/15	07/31/16	0	6,958	0
		6932374	G	P152000	DE-SC0014176	Surendranath /Yogesh	08/15/15	08/14/20	162,868	750,000	107,096
		6932411	G	P067952	DE-SC0014204	Amarasinghe /Saman P	04/15/15	07/14/18	8,697	239,762	(0)
		6932470	G	P243020	DE-SC0014251	Terry /James L	08/15/15	08/14/18	42,452	556,500	(0)
		6932486	G	P066000	DE-SC0002626	Chiang /Yet-Ming	09/15/15	09/14/20	126,215	611,085	66,447
		6932504	G	P243020	DE-SC0010720	Wukitch /Stephen James	08/15/15	05/14/19	0	0	(3,064)
		6932731	G	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/19	6,209	22,249	15,865
		6932790	G	P069850	DE-SC0008739	Todadri /Senthil	08/15/15	08/14/18	16,469	371,425	0
		6932900	G	P152000	DE-FG02-87ER13671	Field /Robert W	11/01/15	01/31/19	84,462	585,000	(0)
		6933162	G	P152000	DE-FG02-86ER13564	Schrock /Richard Royce	12/01/15	11/30/18	81,937	550,000	0
		6933216	G	P067952	DE-SC0014204	Carbin /Michael James	04/15/15	07/14/18	6,624	349,052	(0)
		6933242	G	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/19	1,863,385	7,328,694	1,428,914
		6933243	G	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/19	256,841	1,133,066	536,625
		6933244	G	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/19	13,666	30,500	11,217
		6933245	G	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/19	2,664,563	6,822,100	113,921
		6933246	G	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/19	296,285	1,670,500	844,583
		6933247	G	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/19	12,455	10,000	(2,464)
		6933248	G	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/19	4,426	658,461	(0)
		6933249	G	P243020	DE-SC0014264	Marmar /Earl S	09/01/15	08/31/19	5,838	29,369	0
		6933324	G	P062000	DE-SC0014901	Green /William H	03/01/16	02/28/19	151,525	431,980	0
		6933421	G	P243020	DE-SC0014264	Whyte /Dennis G	09/01/15	08/31/19	182,726	286,273	103,546
		6933477	G	P243020	DE-FC02-99ER54512	Gomes Loureiro /Nuno F	12/01/98	09/30/17	0	52,413	(0)
		6933808	G	P267900	DE-SC0001088	Baldo /Marc A	03/15/16	07/31/16	0	11,849	0
		6933919	G	P069850	DE-FG02-03ER46076	Lee /Patrick A	09/01/03	11/30/18	24,673	480,000	0
		6933943	G	P243020	DE-SC0015566	Temkin /Richard J	01/01/16	04/30/19	537,993	1,212,423	(4)
		6934077	G	P243020	DE-SC0015566	Temkin /Richard J	01/01/16	04/30/19	28,618	62,577	0
		6934122	G	P065009	DE-SC0001299	Chen /Gang	08/01/16	01/31/19	37,335	259,675	0
		6934123	G	P065009	DE-SC0001299	Chen /Gang	08/01/16	01/31/19	82,932	259,675	0
		6934129	G	P267400	DE-FG02-07ER46474	Baldo /Marc A	07/01/16	06/30/19	158,705	600,000	1,154
		6934139	G	P152000	DE-FG02-07ER46454	Bawendi /Moungi G	06/01/16	05/31/19	221,872	776,624	(845)
		6934198	G	P152000	DE-FG02-07ER46474	Van Voorhis /Troy	07/01/16	06/30/19	111,336	300,000	25
		6934485	G	P159900	DE-SC0007883	Sugiyama /Linda E	05/01/16	04/30/19	13,908	356,317	0
		6934488	G	P243020	DE-SC0016215	Gomes Loureiro /Nuno F	08/01/16	07/31/19	186,444	576,298	56,232
		6934503	G	P062000	DE-SC0016214	Roman /Yuriy	08/01/16	08/31/19	157,281	450,000	48,364
		6934516	G	P243020	DE-SC0016154	Porkolab /Miklos	08/01/16	07/31/19	267,691	707,112	126,559
		6934550	G	P159900	DE-SC0008740	Milner /Richard G	08/15/16	08/14/18	18,073	257,794	0
		6934568	G	P159900	DE-SC0008741	Redwine /Robert P	08/15/16	08/14/18	21,140	278,221	0
		6934624	G	P159900	DE-SC0008741	Redwine /Robert P	08/15/16	08/14/18	908	40,534	0
		6934627	G	P153000	DE-FG02-97ER14760	Evans /James Brian	03/01/16	02/28/19	281,629	865,399	(0)
		6934643	G	P159900	DE-SC0008740	Milner /Richard G	08/15/16	08/14/18	0	19,398	0
		6934675	G	P243020	DE-SC0016408	Whyte /Dennis G	08/01/16	07/31/20	153,743	769,878	482,888

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		6934704	G	P243020	DE-SC0010492	Bonoli /Paul T	08/15/16	08/14/19	523,939	2,004,206	429,801
		6934741	G	P243020	DE-SC0016409	Marmar /Earl S	09/01/16	08/31/19	11,082	210,255	57,312
		6934766	G	P243020	DE-SC0014229	Porkolab /Miklos	05/15/15	08/14/18	4,342	243,393	0
		6934886	G	P159900	DE-SC0016285	Wyslouch /Boleslaw	03/01/16	03/31/20	878,604	2,910,332	207,112
		6934959	G	P243020	DE-FC02-99ER54512	Whyte /Dennis G	12/01/98	12/31/16	0	8,735	0
		6934960	G	P417000	DE-SC0001299	Soljacic /Marin	09/01/16	07/31/18	0	9,426	0
		6935100	G	P159900	DE-SC0011090	Wyslouch /Boleslaw	11/01/16	10/31/19	0	5,478	(0)
		6935101	G	P159900	DE-SC0011090	Taylor /Washington	11/01/16	10/31/19	94,785	260,000	62,179
		6935102	G	P159900	DE-SC0011090	Taylor /Washington	11/01/16	10/31/19	873,155	2,758,922	496,054
		6935103	G	P159900	DE-SC0011090	Wyslouch /Boleslaw	11/01/16	10/31/19	0	12,600	11,296
		6935104	G	P159900	DE-SC0011088	Wyslouch /Boleslaw	11/01/16	10/31/19	46	0	(47)
		6935105	G	P159900	DE-SC0011088	Roland /Gunter M	11/01/16	10/31/19	731,106	1,479,046	(70,589)
		6935106	G	P159900	DE-SC0011088	Roland /Gunter M	11/01/16	10/31/19	166,168	467,156	78,985
		6935107	G	P159900	DE-SC0011088	Roland /Gunter M	11/01/16	10/31/19	57,350	353,304	177,688
		6935108	G	P159900	DE-SC0011088	Roland /Gunter M	11/01/16	10/31/19	425,427	1,383,944	222,171
		6935109	G	P159900	DE-SC0011088	Roland /Gunter M	11/01/16	10/31/19	225,852	489,000	206,922
		6935111	G	P159900	DE-SC0011088	Wyslouch /Boleslaw	11/01/16	10/31/19	11,009	17,550	6,541
		6935112	G	P159900	DE-SC0011088	Wyslouch /Boleslaw	11/01/16	10/31/19	582,458	851,000	4,444
		6935113	G	P159900	DE-SC0011755	Wyslouch /Boleslaw	11/01/16	10/31/19	0	0	0
		6935114	G	P159900	DE-SC0011755	Ting /Samuel	11/01/16	10/31/19	2,592,327	7,885,150	1,542,480
		6935115	G	P159900	DE-SC0011755	Wyslouch /Boleslaw	11/01/16	10/31/19	15,853	45,850	20,511
		6935116	G	P159900	DE-SC0011755	Ting /Samuel	11/01/16	10/31/19	140,146	433,000	8,850
		6935117	G	P159900	DE-SC0011755	Ting /Samuel	11/01/16	10/31/19	255,747	794,000	95,532
		6935118	G	P159900	DE-SC0011755	Ting /Samuel	11/01/16	10/31/19	(61,547)	0	(781)
		6935119	G	P159900	DE-SC0011848	Wyslouch /Boleslaw	11/01/16	10/31/19	0	0	0
		6935120	G	P159900	DE-SC0011848	Ting /Samuel	11/01/16	10/31/19	2,208,667	5,526,510	367,004
		6935121	G	P159900	DE-SC0011848	Wyslouch /Boleslaw	11/01/16	10/31/19	7,266	27,490	10,691
		6935122	G	P159900	DE-SC0011091	Wyslouch /Boleslaw	11/01/16	10/31/19	(17,957)	0	157
		6935123	G	P159900	DE-SC0011091	Formaggio /Joseph A	11/01/16	10/31/19	404,436	1,275,000	184,115
		6935127	G	P159900	DE-FG02-94ER40818	Wyslouch /Boleslaw	02/01/17	07/31/19	0	5,079,356	5,079,356
		6935534	G	P159400	DE-FG02-94ER61937	Prinn /Ronald G	12/15/16	12/14/19	753,934	3,000,000	368,064
		6935665	G	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	07/31/19	1	0	(704)
		6935666	G	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	07/31/19	24,826	0	(24,927)
		6935667	G	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	07/31/19	0	0	22,856
		6935668	G	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	07/31/19	621,432	0	(1,636,775)
		6935670	G	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	01/31/19	0	0	(175)
		6935671	G	P159900	DE-FG02-94ER40818	Redwine /Robert P	02/01/17	07/31/19	100,758	0	(728,968)
		6935672	G	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	07/31/19	61,200	0	(796,344)
		6935673	G	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	07/31/19	126,462	0	(335,265)
		6935674	G	P159900	DE-FG02-94ER40818	Redwine /Robert P	02/01/17	07/31/19	11,876	0	(113,898)
		6935675	G	P159900	DE-FG02-94ER40818	Milner /Richard G	02/01/17	07/31/19	0	0	(321,066)
		6935676	G	P159900	DE-FG02-94ER40818	Williams /Michael	02/01/17	07/31/19	176,521	0	(582,457)
		6935677	G	P159900	DE-FG02-94ER40818	Williams /Michael	02/01/17	07/31/19	89,536	0	(258,745)
		6935678	G	P159900	DE-FG02-94ER40818	Bernstein /Aron M	02/01/17	07/31/19	0	0	(4,767)
		6935679	G	P159900	DE-FG02-94ER40818	Matthews /June L	02/01/17	07/31/19	47	0	5,863
		6935680	G	P159900	DE-FG02-94ER40818	Matthews /June L	02/01/17	07/31/19	6,513	0	(10,672)
		6935681	G	P159900	DE-FG02-94ER40818	Kowalski /Stanley B	02/01/17	07/31/19	232	0	41,757
		6935682	G	P159900	DE-FG02-94ER40818	Donnelly /William J	02/01/17	07/31/19	0	0	(3,544)
		6935683	G	P159900	DE-FG02-94ER40818	Bernstein /Aron M	02/01/17	07/31/19	0	0	314

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		6935684	G	P159900	DE-FG02-94ER40818	Kowalski /Stanley B	02/01/17	07/31/19	0	0	44,477
		6935685	G	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	07/31/19	369,247	0	(665,987)
		6935686	G	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	01/31/19	18,713	0	(53,677)
		6935687	G	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	01/31/19	0	0	(827)
		6935688	G	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	01/31/19	51	0	(130)
		6935689	G	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	01/31/19	96,623	0	(235,904)
		6935690	G	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	01/31/19	10	0	(9,349)
		6935691	G	P159900	DE-FG02-94ER40818	Hen /Or	02/01/17	07/31/19	280,879	0	(818,396)
		6935692	G	P159900	DE-SC0018229	Wyslouch /Boleslaw	02/01/17	04/30/19	0	0	0
		6935694	G	P159900	DE-SC0018229	Redwine /Robert P	02/01/17	04/30/19	285,511	706,000	(85,077)
		6935695	G	P159900	DE-SC0018229	Redwine /Robert P	02/01/17	04/30/19	1,278,263	2,400,400	(767,515)
		6935697	G	P159900	DE-SC0018229	Redwine /Robert P	02/01/17	04/30/19	190,434	282,400	(122,337)
		6935698	G	P159900	DE-SC0018229	Redwine /Robert P	02/01/17	04/30/19	19,235	70,600	31,104
		6935699	G	P159900	DE-SC0018229	Redwine /Robert P	02/01/17	04/30/19	16,781	70,600	22,040
		6935813	G	P243020	DE-SC0017381	White /Anne E.	01/01/17	03/31/20	248,806	964,406	521,709
		6935854	G	P243020	DE-SC0017381	White /Anne E.	01/01/17	03/31/20	0	126,594	111,319
		6936079	G	P159900	DE-SC0012567	Wyslouch /Boleslaw	02/01/14	03/31/20	0	0	0
		6936080	G	P159900	DE-SC0011939	Wyslouch /Boleslaw	02/01/14	03/31/20	0	0	0
		6936104	G	P243020	DE-SC0012071	Hubbard /Amanda E	05/01/17	04/30/20	200,667	610,395	191,433
		6936150	G	P159900	DE-SC0012567	Taylor /Washington	02/01/14	03/31/20	448,907	1,591,700	416,347
		6936151	G	P159900	DE-SC0012567	Taylor /Washington	02/01/14	03/31/20	161,548	473,700	116,016
		6936152	G	P159900	DE-SC0012567	Wyslouch /Boleslaw	02/01/14	03/31/20	0	9,600	8,267
		6936153	G	P159900	DE-SC0011939	Paus /Christoph M. E.	02/01/14	03/31/20	445,448	1,016,030	140,764
		6936154	G	P159900	DE-SC0011939	Paus /Christoph M. E.	02/01/14	03/31/20	504,260	2,008,770	597,660
		6936477	G	P152000	DE-SC0018235	Dinca /Mircea	06/01/17	11/30/19	185,039	409,000	47,732
		6936491	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	06/30/17	0	14,216	0
		6936586	G	P159900	DE-SC0011939	Wyslouch /Boleslaw	02/01/14	03/31/20	3,743	15,200	5,124
		6936656	G	P159900	DE-FG02-94ER40818	Wyslouch /Boleslaw	02/01/17	07/31/19	0	21,570	28,018
		6936657	G	P159900	DE-SC0011848	Ting /Samuel	11/01/16	10/31/19	0	0	391,626
		6936731	G	P159900	DE-SC0016285	Ting /Samuel	03/01/16	03/31/19	295	31,668	0
		6936820	G	P417000	DE-SC0001299	Soljacic /Marin	07/01/17	01/31/19	0	5,862	0
		6936837	G	P159900	DE-SC0017936	Winslow /Lindley	07/15/17	07/14/19	37,844	39,000	1,156
		6936848	G	P243020	DE-SC0018095	Porkolab /Miklos	08/01/17	08/31/19	28,184	163,449	79,752
		6936851	G	P243020	DE-SC0016154	Porkolab /Miklos	08/01/16	07/31/19	7,016	47,488	30,727
		6937010	G	P065009	DE-FG02-02ER45977	Chen /Gang	07/01/17	06/30/20	123,943	447,694	184,496
		6937027	G	P066000	DE-SC0018091	Schuh /Christopher A	08/15/17	08/14/20	125,525	549,861	364,439
		6937043	G	P243020	DE-SC0012469	Marmar /Earl S	07/06/17	09/30/18	16,348	47,817	0
		6937044	G	P243020	DE-SC0014264	Marmar /Earl S	03/01/17	08/31/19	9,776	42,000	(42,692)
		6937057	G	P243020	DE-SC0010720	Wukitch /Stephen James	07/01/16	05/14/19	537	24,102	0
		6937074	G	P152000	DE-SC0018094	Willard /Adam P.	09/01/17	08/31/19	187,716	263,392	45,056
		6937088	G	P159900	DE-SC0017936	Winslow /Lindley	07/15/17	07/14/19	0	21,000	21,000
		6937128	G	P243020	DE-SC0010720	Wukitch /Stephen James	08/01/17	05/14/19	45,973	71,595	0
		6937188	G	P062000	DE-SC0018096	Kulik /Heather Janine	09/01/17	08/31/19	44,950	191,782	79,227
		6937192	G	P243020	DE-SC0014264	Gomes Loureiro /Nuno F	07/01/17	08/31/19	13,621	72,588	52,189
		6937193	G	P243020	DE-SC0014264	Hartwig /Zachary Seth	09/01/17	08/31/19	38,871	50,000	2,113
		6937264	G	P243020	DE-SC0018090	Bonoli /Paul T	09/01/17	08/31/19	540,714	1,192,000	122,509
		6937265	G	P152000	DE-SC0018097	Schlau-Cohen /Gabriela S	09/01/17	08/31/19	195,187	400,000	25,902
		6937268	G	P063007	DE-SC0018357	Juanes /Ruben	08/01/17	07/31/19	192,041	503,601	229,629
		6937272	G	P065005	DE-SC0001299	Wang /Evelyn	08/01/14	07/31/18	93	35,175	0

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6937278	G	P159900	DE-SC0018121	Detmold /William	06/01/17	08/31/19	320,946	608,000	(32,603)
		6937293	G	P243020	DE-SC0012470	Greenwald /Martin J	09/01/17	08/31/19	619,272	1,258,600	268,447
		6937295	G	P062000	DE-SC0007106	Olsen /Bradley D.	08/15/17	08/14/20	144,043	690,000	318,472
		6937305	G	P069850	DE-FG02-08ER46521	Gedik /Nuh	08/15/17	08/14/20	311,328	1,124,999	503,441
		6937306	G	P243020	DE-SC0010492	Bonoli /Paul T	08/15/16	08/14/19	420	60,128	59,708
		6937327	G	P243020	DE-SC0014229	Porkolab /Miklos	01/01/17	08/14/18	5,533	40,000	(0)
		6937378	G	P067952	DE-SC0018121	Amarasinghe /Saman P	06/01/17	08/31/19	120,561	301,000	74,290
		6937470	G	P243020	DE-SC0010492	Bonoli /Paul T	08/15/16	08/14/19	14,239	188,000	160,451
		6937598	G	P243020	DE-SC0016409	Marmar /Earl S	11/01/16	08/31/19	4,146	387,000	(24,487)
		6937620	G	P243020	DE-SC0017381	White /Anne E.	01/01/17	03/31/20	9,649	72,000	39,643
		6937628	G	P243020	DE-FC02-93ER54186	Minervini /Joseph V	11/15/17	11/14/19	0	0	0
		6937629	G	P243020	DE-FC02-93ER54186	Minervini /Joseph V	11/15/17	11/14/19	479,691	1,280,766	297,805
		6937630	G	P243020	DE-FC02-93ER54186	Minervini /Joseph V	11/15/17	11/14/19	92,471	200,000	22,827
		6937631	G	P243020	DE-FC02-93ER54186	Takayasu /Makoto	11/15/17	11/14/19	185	18,634	13,992
		6937632	G	P243020	DE-FC02-93ER54186	Temkin /Richard J	11/15/17	11/14/19	40,061	387,000	281,845
		6937634	G	P243020	DE-FC02-93ER54186	Wallace /Gregory Marriner	11/15/17	11/14/19	45,332	220,500	140,837
		6937635	G	P243020	DE-FC02-93ER54186	Whyte /Dennis G	11/15/17	11/14/19	44,647	43,100	(13,848)
		6937648	G	P267900	DE-SC0001088	Baldo /Marc A	02/01/17	07/31/18	0	12,397	0
		6937689	G	P243020	DE-SC0018095	Porkolab /Miklos	08/01/17	08/31/19	8,240	17,801	(2,102)
		6937690	G	P243020	DE-SC0016154	Porkolab /Miklos	08/01/17	07/31/19	12,357	85,400	26,396
		6937693	G	P243020	DE-SC0014264	Marmar /Earl S	12/01/17	08/31/19	0	17,000	11,000
		6937752	G	P243020	DE-SC0014264	Marmar /Earl S	11/01/17	08/31/19	13,925	40,000	(11,239)
		6937764	G	P065009	DE-SC0001299	Chen /Gang	12/01/17	01/31/19	5,623	26,773	0
		6937914	G	P152000	DE-SC0018091	Nelson /Keith Adam	08/15/17	08/14/19	150,426	265,139	986
		6937945	G	P243020	DE-SC0014264	Marmar /Earl S	10/12/17	08/31/19	393,750	640,000	(2,797)
		6937946	G	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/18	01/31/20	0	0	0
		6937947	G	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/18	01/31/20	1,335,831	2,413,000	801,584
		6937948	G	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/18	01/31/20	46,068	119,000	30,663
		6937949	G	P243020	DE-FG02-91ER54109	Bonoli /Paul T	02/01/18	01/31/20	6,341	0	16,987
		6937950	G	P243020	DE-FG02-91ER54109	Whyte /Dennis G	02/01/18	01/31/20	58,275	119,520	61,245
		6938143	G	P243020	DE-FC02-93ER54186	Temkin /Richard J	11/15/17	11/14/19	0	5,000	5,000
		6938215	G	P062000	DE-FG02-08ER46488	Strano /Michael S.	02/15/18	02/14/20	198,826	466,000	156,944
		6938405	G	P243020	DE-SC0018095	Porkolab /Miklos	08/01/17	08/31/19	0	18,750	18,750
		6938509	G	P243020	DE-SC0014251	Terry /James L	04/20/18	08/14/18	5,817	8,860	0
		6938669	G	P267100	DE-SC0018652	Vuletic /Vladan	05/01/18	04/30/19	336,583	400,000	(107)
		6938677	G	P069850	DE-FG02-08ER46514	Ashoori /Raymond	08/01/17	07/31/20	305,411	570,000	203,239
		6938694	G	P153000	DE-FG02-99ER15004	Rothman /Daniel H	04/15/18	04/14/19	105,760	149,604	23,549
		6938772	G	P243020	DE-SC0010492	Bonoli /Paul T	08/15/16	08/14/19	20,200	67,735	20,929
		6938828	G	P243020	DE-SC0014264	Marmar /Earl S	06/14/18	08/31/19	31,737	35,000	3,185
		6939045	G	P067952	DE-SC0018947	Shun /Julian	09/01/18	08/31/20	47,704	300,000	252,296
		6939046	G	P159900	DE-SC0018944	Harlow /Daniel L.	06/01/18	03/31/20	14,395	179,000	164,605
		6939051	G	P417500	DE-SC0018945	Fu /Liang	06/01/18	06/30/20	166,697	280,000	113,303
		6939057	G	P243020	DE-SC0014264	Porkolab /Miklos	09/01/17	08/31/19	20,589	70,000	49,411
		6939058	G	P243020	DE-SC0014264	Porkolab /Miklos	09/01/17	08/31/19	102,158	125,000	22,842
		6939064	G	P417500	DE-SC0018935	Jarillo-Herrero /Pablo	08/01/18	07/31/20	109,004	350,000	240,996
		6939065	G	P159900	DE-SC0018936	Milner /Richard G	08/15/18	08/14/20	92,344	278,000	185,656
		6939067	G	P063007	DE-SC0018934	Kroll /Jesse	08/15/18	08/14/20	26,398	399,917	373,519
		6939082	G	P243020	DE-SC0014264	Marmar /Earl S	07/01/18	08/31/19	27,093	1,329,200	1,302,107

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		6939084	G	P243020	DE-SC0014264	Marmar /Earl S	07/01/18	08/31/19	85,320	97,000	11,680
		6939099	G	P417500	DE-SC0002633	Van Vliet /Krystyn J	07/15/18	07/14/20	23,362	682,425	659,063
		6939142	G	P243020	DE-SC0014264	Marmar /Earl S	08/01/18	08/31/19	88,344	75,000	(13,344)
		6939163	G	P243020	DE-SC0014229	Porkolab /Miklos	08/15/18	08/14/19	83,018	194,000	110,982
		6939186	G	P417500	DE-SC0002633	Van Vliet /Krystyn J	07/15/18	07/14/19	113,385	150,094	36,709
		6939187	G	P417500	DE-SC0002633	Tuller /Harry L	07/15/18	07/14/19	163,605	186,347	22,742
		6939188	G	P417500	DE-SC0002633	Yildiz /Bilge	07/15/18	07/14/19	54,504	85,344	30,840
		6939189	G	P417500	DE-SC0002633	Chiang /Yet-Ming	07/15/18	07/14/19	130,780	132,676	1,896
		6939190	G	P417500	DE-SC0002633	Carter /W Craig	07/15/18	07/14/19	0	10,314	10,314
		6939191	G	P417500	DE-SC0002633	Li /Ju	07/15/18	07/14/19	71,521	78,398	6,877
		6939225	G	P243020	DE-SC0014251	Terry /James L	08/15/18	08/14/19	289,396	328,081	38,685
		6939243	G	P062000	DE-SC0019087	Smith /Zachary P	09/01/18	08/31/19	137,490	140,816	3,326
		6939255	G	P243020	DE-SC0014229	Porkolab /Miklos	08/15/18	08/14/19	5,843	6,000	157
		6939277	G	P243020	DE-SC0019089	White /Anne E.	09/01/18	08/31/20	5,048	200,000	194,952
		6939290	G	P159900	DE-SC0019127	Harlow /Daniel L.	09/01/18	08/31/20	63,431	344,000	280,569
		6939328	G	P267111	DE-SC0019129	Berggren /Karl K	09/01/18	08/31/20	35,843	300,000	264,157
		6939341	G	P159900	DE-SC0019128	Thaler /Jesse	08/01/18	07/31/20	130,065	264,000	133,935
		6939410	G	P062000	DE-SC0019345	Tisdale /William	09/01/18	08/31/19	377,833	346,866	(30,967)
		6939417	G	P417500	DE-SC0008739	Todadri /Senthil	08/15/18	08/14/20	101,822	270,000	168,178
		6939457	G	P243020	DE-SC0014251	Terry /James L	08/15/18	08/14/19	5,658	6,640	982
		6939458	G	P243020	DE-SC0014251	Terry /James L	08/15/18	08/14/19	0	118,000	118,000
		6939463	G	P243020	DE-SC0014264	Marmar /Earl S	08/01/18	08/01/19	4,220	22,000	17,780
		6939470	G	P152000	DE-SC0019126	Nelson /Keith Adam	09/01/18	08/31/20	452,159	1,220,815	768,655
		6939476	G	P159900	DE-SC0019295	Formaggio /Joseph A	08/01/18	12/31/19	44,627	45,000	373
		6939478	G	P066000	DE-SC0019383	Ross /Frances Mary	09/01/18	07/31/19	27,010	56,605	29,595
		6939487	G	P159900	DE-FG02-03ER54700	Coppi /Bruno	04/01/18	09/30/19	322,672	360,000	37,328
		6939512	G	P417500	DE-SC0019126	Comin /Riccardo	09/01/18	08/31/19	152,435	175,062	22,627
		6939515	G	P066000	DE-SC0019383	Ross /Frances Mary	09/01/18	07/31/19	0	40,806	40,806
		6939534	G	P152000	DE-SC0019126	Nelson /Keith Adam	09/01/18	08/31/19	95,828	229,123	133,295
		6939570	G	P243020	DE-SC0014264	Marmar /Earl S	11/01/17	08/31/19	18,353	32,000	13,647
		6939631	G	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/19	243,637	189,381	(54,256)
		6939725	G	P062000	DE-SC0019112	Kulik /Heather Janine	08/01/18	07/31/19	113,161	120,000	6,839
		6939726	G	P062000	DE-SC0019112	Bazant /Martin Z	08/01/18	07/31/19	117,300	120,000	2,700
		6939727	G	P062000	DE-SC0019112	Blankschtein /Edmundo D	08/01/18	07/31/19	111,209	120,000	8,791
		6939728	G	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/19	59,217	193,750	134,533
		6939729	G	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/19	133,082	193,750	60,668
		6939730	G	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/19	59,821	133,750	73,929
		6939731	G	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/19	0	133,750	133,750
		6939732	G	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/19	226,729	433,750	207,021
		6939733	G	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/19	37,812	313,750	275,938
		6939766	G	P417500	DE-SC0002633	Van Vliet /Krystyn J	09/01/18	07/14/19	8,493	14,400	5,907
		6939953	G	P243020	DE-SC0014229	Porkolab /Miklos	08/15/18	08/14/19	0	100,000	100,000
		6940039	G	P152000	DE-FG02-87ER13671	Field /Robert W	11/01/18	10/31/19	108,692	148,000	39,308
		6940041	G	P417500	DE-FG02-03ER46076	Lee /Patrick A	12/01/18	11/30/19	89,014	160,000	70,986
		6940199	G	P063007	DE-SC0018934	Heald /Colette L.	08/15/18	08/14/19	2,454	72,623	70,170
		6940366	G	P062000	DE-SC0014901	Green /William H	03/01/19	02/29/20	41,900	145,071	103,172
		6940580	G	P159900	DE-SC0018229	Wyslouch /Boleslaw	11/01/18	10/31/19	0	0	0

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		6940618	G	P159900	DE-SC0018229	Wyslouch /Boleslaw	11/01/18	10/31/19	535,710	1,751,000	1,215,290
		6940619	G	P159900	DE-SC0018229	Wyslouch /Boleslaw	11/01/18	10/31/19	3,771	103,000	99,229
		6940620	G	P159900	DE-SC0018229	Wyslouch /Boleslaw	11/01/18	10/31/19	1,167	206,000	204,833
		6940697	G	P062000	DE-SC0019345	Tisdale /William	04/01/19	08/31/19	1,108	10,660	9,552
		6940744	G	P243020	DE-SC0015566	Temkin /Richard J	05/01/19	04/30/20	39,935	0	(39,935)
		6940873	G	P159900	DE-SC0019768	Wyslouch /Boleslaw	03/01/19	05/31/20	0	225,000	225,000
		6940915	G	P152000	DE-FG02-07ER46454	Bawendi /Moungi G	03/01/19	05/31/21	39,095	0	(39,095)
		6940959	G	P152000	DE-SC0019126	Nelson /Keith Adam	09/01/18	12/31/19	1,435	25,000	23,565
		9173500	C	P264000	DE-AC02-76ET37241	Bernard /John A	01/01/96	12/31/08	0	85,613	0
	9279200	C	P264000	DE-AC02-76ET37241	Bernard /John A	09/01/82	12/31/95	0	12,947	0	
000207 DOE - Ames La	6940042	C	P417500	SC-19-487	Jarillo-Herrero /Pablo	11/14/18	07/31/19	69,404	175,280	105,876	
002198 Battelle-Pacific	6939625	C	P152000	CONTRACT# 428422	Surendranath /Yogesh	09/28/18	12/31/19	113,220	215,000	101,780	
002800 Fermilab	6926005	C	P159900	PO-606667	Klute /Markus	01/01/12	04/30/19	49,572	335,683	(10,424)	
	6926769	C	P159900	PO 563385-REVISION 9	Paus /Christoph M. E.	01/01/12	04/30/19	226,853	1,556,624	410	
	6935039	C	P159900	PO #629763	Klute /Markus	01/01/17	06/30/19	100,559	292,119	4,053	
	6939262	C	P159900	PO NO. 646969	Harris /Philip Coleman	10/01/17	09/30/19	13,374	9,000	(4,374)	
	6940653	C	P159900	656002	Paus /Christoph M. E.	05/01/19	04/30/20	15,798	181,760	165,962	
004205 Radiation Monit	6939332	G	P264000	SUBCONTRACT NO. C18-	Khaykovich /Boris	04/09/18	01/08/19	47,452	47,452	0	
004298 Sandia National Laboratories	6933746	C	P243020	PO #1630435	Woskov /Paul P	03/08/16	09/30/18	23,417	265,524	(0)	
	6938128	C	P061097	AGREEMENT 1340868 / P	Marzouk /Youssef M	12/14/17	12/13/19	6,621	173,400	159,007	
005140 Brookhaven Science Associates, LLC	6938901	C	P065005	NO. 349365	Lloyd /Seth	06/30/18	09/30/18	27,923	27,923	(0)	
	6939100	C	P267111	351492	Berggren /Karl K	07/19/18	09/30/18	49,748	49,748	0	
005173 Arizona State U	6936487	G	P165000	17-032	Bathe /Mark	06/15/17	06/14/19	94,766	213,388	10,096	
005333 Brown Universit	6939921	G	P152000	00001292	Willard /Adam P.	09/15/18	09/14/19	48,069	100,185	52,116	
005357 General Atomic	6937870	G	P243020	PO# 4500071909	Bonoli /Paul T	09/01/17	08/31/19	158,997	300,000	27,616	
005408 California Instit	6940104	G	P065005	S399795	Lloyd /Seth	09/01/18	08/31/19	1,546	39,375	37,829	
005744 Composite Tect	6934564	C	P243020	16779	Bromberg /Leslie	06/13/16	07/30/19	176,629	379,939	28,630	
006120 Harvard University	6920743	G	P069850	133512-5028381	Jarillo-Herrero /Pablo	09/15/09	07/14/19	109,547	1,993,738	113,703	
	6923937	G	P069850	133512-02	Jarillo-Herrero /Pablo	09/15/09	07/14/14	0	18,512	0	
	6939918	G	P417500	AGREEMENT NO. 134126-	Jarillo-Herrero /Pablo	09/15/18	09/14/19	105,803	210,687	104,884	
	6940259	G	P069850	AGREEMENT NO. 134126-	Checkelsky /Joseph	09/15/18	09/14/19	119,004	181,337	62,333	
	6940505	G	P069850	AGREEMENT NO. 134126-	Checkelsky /Joseph	09/15/18	09/14/19	8,661	29,350	20,689	
006453 Lawrence Berkeley National Laboratory	6931128	C	P069201	SUBCONTRACT # 720498:	Alm /Eric J	10/01/14	09/30/20	609,863	1,631,846	(34,341)	
	6931129	C	P069200	SUBCONTRACT NUMBER	Alm /Eric J	10/01/14	09/30/15	0	149,999	0	
	6940535	C	P069201	7457914	Alm /Eric J	06/13/19	09/30/20	0	100,999	100,999	
006688 UChicago Argonne, LLC	6927795	C	P066000	SUBCONTRACT NO. 3F-3	Ceder /Gerbrand	04/30/13	04/30/16	0	545,808	0	
	6927796	C	P062000	SUBCONTRACT NO. 3F-31144	Brushett /Fikile R	04/30/13	01/31/16	0	194,806	0	
	6927797	C	P066000	SUBCONTRACT NO. 3F-3	Chiang /Yet-Ming	04/30/13	09/30/18	123,169	2,244,207	600	
	6927827	C	P066000	SUBCONTRACT NO. 3F-3	Carter /W Craig	04/30/13	12/14/16	0	228,450	(0)	
	6927828	C	P065004	SUBCONTRACT NO. 3F-31144	Kamrin /Kenneth N	04/30/13	12/13/16	0	357,284	(0)	
	6927829	C	P065005	SUBCONTRACT NO. 3F-3	McKinley /Gareth H	04/30/13	12/13/16	0	324,150	(0)	
	6927830	C	P062000	SUBCONTRACT NO. 3F-3	Brushett /Fikile R	04/30/13	01/06/17	0	374,923	0	
	6927831	C	P066000	SUBCONTRACT NO. 3F-3	Chiang /Yet-Ming	04/30/13	01/06/17	0	286,268	(0)	
	6927832	C	P062000	SUBCONTRACT NO. 3F-3	Brushett /Fikile R	04/30/13	09/30/18	72,989	1,851,457	0	
	6927833	C	P066000	SUBCONTRACT NO. 3F-3	Ceder /Gerbrand	04/30/13	12/13/15	0	239,666	(0)	
	6927834	C	P066000	SUBCONTRACT NO. 3F-3	Ceder /Gerbrand	04/30/13	12/13/15	0	198,018	(0)	
	6927835	C	P066000	SUBCONTRACT NO. 3F-3	Ceder /Gerbrand	04/30/13	12/13/15	0	149,831	0	

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**Fiscal Year 2019**

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6927837	C	P065005	SUBCONTRACT NO. 3F-3	Slocum /Alexander H	04/30/13	12/13/15	0	169,368	(0)
		6931377	C	P069700	SUBCONTRACT NO. 3F-3	Varanasi /Kripa	10/01/14	12/13/15	0	149,985	(0)
		6931813	C	P062000	SUBCONTRACT NO. 3F-31144	Brushett /Fikile R	12/14/14	01/31/16	0	58,159	0
		6933395	C	P068000	6F-30461	Baglietto /Emilio	12/03/15	09/30/18	24,613	159,998	0
		6934260	C	P264000	WO 2J-30101-0008A	Hu /Lin-Wen	06/15/16	10/31/19	286,104	977,088	194,960
		6935562	C	P264000	WO 2J-30101-0008A	Hu /Lin-Wen	01/01/17	05/12/17	0	15,739	0
		6937302	C	P062000	SUBCONTRACT NO. 7F-30	Green /William H	07/18/17	07/17/19	64,851	135,000	11,986
		6939569	C	P066000	8F-30212	Chiang /Yet-Ming	10/01/18	06/30/19	0	0	0
		6939720	C	P264000	WO 2J-30101-0009A	Hu /Lin-Wen	09/27/18	12/31/19	139,299	300,000	160,701
		6939746	C	P066000	8F-30212	Chiang /Yet-Ming	10/01/18	06/30/19	140,860	386,879	246,019
		6939747	C	P066000	8F-30212	Van Vliet /Krystyn J	10/01/18	06/30/19	11,801	142,820	131,019
		6939748	C	P066000	8F-30212	Macfarlane /Robert J	10/01/18	06/30/19	69,378	138,088	68,710
		6939749	C	P062000	8F-30212	Brushett /Fikile R	10/01/18	06/30/19	252,515	139,672	(112,843)
006788 National Renewable Energy Laboratory		6930867	C	P065004	UGA-0-41029-16/ER39200	Kolpak /Alexie M	10/02/14	09/15/18	0	608,694	(0)
		6930868	C	P065004	UGA-0-41029-16/ER39200	Buonassisi /Anthony	10/02/14	09/30/19	117,732	783,084	112,989
		6933524	C	P065004	UGA-0-41029-18/ST6P151	Buonassisi /Anthony	12/01/15	09/30/18	2,635	300,000	1,397
006875 Northeastern University		6939896	G	P417500	503036-78052	Fu /Liang	05/15/18	09/14/19	134,725	160,615	25,890
007070 Pennsylvania State University		6930592	G	P152000	5028-MIT-DOE-1090	Hong /Mei	08/01/14	07/31/19	126,936	867,994	3
		6934571	G	P062000	5023-MIT-DOE-2377	Stephanopoulos /Gregory	09/01/16	08/31/18	17,552	165,000	0
		6940065	G	P243021	5952-MIT-DOE-1090	Hong /Mei	08/01/18	10/31/19	56,428	110,000	53,572
007150 Princeton University		6940086	G	P152000	SUB0000289	Schlaue-Cohen /Gabriela S	08/01/18	07/31/19	45,117	150,000	104,883
007385 State University of New York		6930984	G	P066000	68799	Chiang /Yet-Ming	08/01/14	07/31/19	122,824	517,513	103,542
		6931213	G	P066000	68799	Chiang /Yet-Ming	08/01/14	07/31/19	2,536	647,901	0
007520 University of Alabama-Birmingham		6937651	G	P267600	000517656-SC001	Hong /Kyung-Han	09/25/17	09/24/18	15,089	85,000	(22)
		6938714	G	P267600	000517656-SC001	Hong /Kyung-Han	01/01/18	09/24/19	15,207	15,000	(207)
		6939869	G	P267600	000517656-SC001	Hong /Kyung-Han	09/24/18	09/24/19	56,225	100,000	43,775
007554 Los Alamos National Laboratory		6934723	G	P065005	SUBCONTRACT #399489	Turitsyn /Konstantin	09/08/16	09/30/19	58,052	367,319	53,706
007618 University of California		6937968	G	P069201	SUBAWARD#: 1555955 PC	Voigt /Christopher A.	09/15/17	09/14/19	404,595	896,903	167,359
007622 Lawrence Livermore National Laboratory		6938345	C	P065004	B627203	Buie /Cullen	04/20/18	09/30/22	83,196	98,000	(7,313)
007637 University of Texas - Austin		6931037	C	P243020	UTA14-000839	Hubbard /Amanda E	07/02/14	06/20/17	0	175,000	890
		6938299	G	P243020	UTA18-000276	Ernst /Darin R	02/01/18	01/31/20	856	274,000	273,041
		6940002	G	P061097	UTA18-001328	Marzouk /Youssef M	09/15/18	09/14/19	20,745	164,945	144,200
007639 University of Wisconsin		6937599	C	P069850	UWSC10120	Gedik /Nuh	08/15/17	08/14/19	198,556	400,000	74,433
007680 University of Rochester		6928068	G	P243020	416107-G	Petrasso /Richard D	04/01/13	09/30/18	10	1,100,009	0
		6929434	G	P243020	416107-G	Petrasso /Richard D	04/01/13	09/30/19	278,616	2,291,302	(0)
010056 Brookhaven National Laboratory		6934084	C	P159900	312673	Rajagopal /Krishna	05/09/16	02/28/21	9,977	118,000	58,002
		6934181	C	P159900	313021	Detmold /William	05/23/16	09/30/20	84,808	205,000	(5,642)
		6937844	C	P159900	SUBCONTRACT NO. 34510	Redwine /Robert P	01/01/18	12/31/18	49,614	136,852	(0)
		6938641	C	P066000	NO. 347538	Beach /Geoffrey Stephen	05/24/18	04/30/20	52,899	103,605	41,773
010150 Princeton Plasma Physics Laboratory		6933435	C	P243020	S014796-H	White /Anne E.	02/04/16	12/31/19	98,665	438,434	59,074
		6936363	C	P243020	S015616-H	Irby /James Henderson	05/24/17	06/30/18	5,335	169,632	0
		6937617	C	P243020	S015850-H	Greenwald /Martin J	11/21/17	09/30/19	32,410	80,000	25,689
010745 Plasma Processes, LLC		6936177	C	P243020	DE-SC0011895 / 6028-004	Wukitch /Stephen James	01/01/17	01/11/19	10,920	284,970	0
		6938695	C	P243020	DE-SC0015931 / PO# 1014	Wukitch /Stephen James	07/31/17	07/30/19	70,472	200,546	130,074
		6940880	G	P068000	PO 1015-002-JK-120618	Shirvan /Koroush	12/06/18	08/01/20	967	60,000	59,033
010886 Advanced Concepts Laboratory		6937596	G	P243020	AGMT. DTD. 08/01/2017	Bromberg /Leslie	08/01/17	07/31/18	8,921	50,000	0
011718 Faraday Technology		6936670	C	P062000	SC 6305-1031	Brushett /Fikile R	06/30/17	04/01/20	174,755	300,000	8,335

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	012200 Free Form Fibers LLC	6933442	C	P068000	DE-SC0011954	Shirvan /Koroush	01/01/16	07/30/19	0	125,000	0
		6938183	C	P068000	DE-SC0011954	Shirvan /Koroush	07/31/17	07/30/19	197,480	275,000	8,277
	102126 Electroformed Nickel, Inc.	6936346	G	P264000	AGREEMENT DATED 04/1	Moncton /David E	02/21/17	11/20/17	0	44,400	1
		6939275	G	P264000	STTR AGREEMENT 05/21/	Khaykovich /Boris	05/21/18	05/20/20	112,330	179,543	67,213
	103734 Adelphi Techno	6938797	C	P264000	AGREEMENT EFFECTIVE	Khaykovich /Boris	04/09/18	01/08/19	84,800	84,990	190
	<b>Total by Primary Sponsor</b>								<b>47,041,603</b>	<b>554,236,664</b>	<b>26,247,878</b>
000202 DOE - Chicago - Equipment	000202 DOE - Chicago - Equipment	6793200	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	12/01/98	10/31/12	0	480,702	0
		6793300	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	12/01/98	10/31/10	0	201,506	0
		6793500	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	12/01/98	10/31/10	0	93,400	0
		6794600	G	P243020	DE-FC02-99ER54512	Porkolab /Miklos	12/01/98	10/31/13	0	318,314	0
		6794700	G	P243020	DE-FC02-99ER54512	Porkolab /Miklos	12/01/98	10/31/13	0	319,678	0
		6795300	G	P243020	DE-FC02-99ER54512	Irby /James Henderson	12/01/98	10/31/13	0	569,035	0
		6795400	G	P243020	DE-FC02-99ER54512	Lipschultz /Bruce	12/01/98	10/31/13	0	562,476	0
		6795600	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/12	0	48,311	0
		6795700	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	04/18/12	0	12,977	0
		6795800	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/12	0	7,274	0
		6795900	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	04/11/13	0	39,326	0
		6796000	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/12	0	12,641	0
		6796100	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	04/18/12	0	0	0
		6796300	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/12	0	4,339	0
		6796400	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	04/18/12	0	1,805	0
		6796500	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	12/31/16	0	47,416	0
		6796600	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/12	0	11,696	0
		6796700	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/07	0	0	0
		6796800	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/12	0	10,728	0
		6796900	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/12	0	5,687	0
		6797000	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/13	0	227,169	0
		6797100	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	10/31/12	0	10,861	0
		6797300	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	12/01/98	12/31/16	0	93,668	0
		6893345	G	P243020	DE-FC02-99ER54512	Marmar /Earl S	04/01/01	10/31/13	0	143,914	0
		6915776	G	P243020	DE-FC02-99ER54512	Parker /Ronald R	07/01/06	10/31/12	0	245,517	0
		6915785	G	P243020	DE-FC02-99ER54512	Parker /Ronald R	06/01/07	10/31/12	0	744,098	0
		6915789	G	P243020	DE-FC02-99ER54512	Parker /Ronald R	11/01/06	10/31/12	0	686,109	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>4,898,648</b>	<b>0</b>
000204 DOE - Boston	003388 Knolls Atomic Power Lab	6931456	C	P068000	PO 101633	Buongiorno /Jacopo	01/29/15	05/31/19	146,755	863,228	(1,895)
		6937157	C	P068000	PO 101633	Buongiorno /Jacopo	01/29/15	12/31/17	0	55,077	0
		6937158	C	P068000	PO 101633	Buongiorno /Jacopo	08/01/15	05/30/17	0	18,656	0
	<b>Total by Primary Sponsor</b>								<b>146,755</b>	<b>936,961</b>	<b>(1,895)</b>
000209 DOE/NNSA/ALB	000209 DOE/NNSA/ALB	6932410	G	P069850	DE-NA0002788	Hu /Juejun	08/01/15	07/31/18	(53,417)	610,000	0
		6932619	G	P243020	DE-NA0002949	Petrasso /Richard D	10/01/15	09/30/19	399,561	1,433,440	9,340
		6932829	G	P069850	DE-NA0002788	Agarwal /Anuradha	08/01/15	07/31/18	3,117	140,000	0
		6933968	G	P243020	DE-NA0002949	Petrasso /Richard D	03/01/16	09/30/19	26,321	66,560	0
		6937263	G	P243020	DE-NA0003539	Petrasso /Richard D	09/22/17	09/21/19	284,576	426,000	9,190
		6940304	G	P243020	DE-NA0003868	Petrasso /Richard D	01/01/19	08/31/19	646,738	0	(646,738)
		6941057	G	P243020	TBD	Petrasso /Richard D	01/01/19	08/31/19	1,949	0	(1,949)

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	003511 UT- Battelle LLC	6923222	C	P243020	SUBCONTRACT NO. 4000	Temkin /Richard J	12/31/10	09/30/19	8,881	1,100,000	32,027
	007554 Los Alamos National Security, L.L.C	6932544	G	P243020	334926	Petrasso /Richard D	09/08/15	09/30/18	(53)	125,000	0
		6933394	C	P153000	SUBCONTRACT # 365489	Fehler /Michael C	01/10/16	03/31/19	27,756	294,980	(0)
		6935453	G	P243020	334926	Petrasso /Richard D	12/01/16	09/30/18	37,541	249,900	0
	007622 Lawrence Livermore National Security, LLC	6926820	C	P152000	B602126	Swager /Timothy M	02/12/13	12/31/18	138,540	1,763,593	(0)
		6932165	C	P243020	B613027	Petrasso /Richard D	07/01/15	09/30/18	189,043	1,626,167	0
		6933555	C	P243020	B615534	Petrasso /Richard D	02/22/16	02/28/19	76,120	1,328,556	(31)
		6940134	C	P243020	SUBCONTRACT B631595	Petrasso /Richard D	01/07/19	10/31/19	266,919	501,526	234,607
		6940158	C	P152000	B631377	Swager /Timothy M	01/11/19	12/31/19	216,815	200,000	(16,815)
	007641 University of Michigan	6931203	G	P068000	3003222367	Danagoulain /Areg	09/01/14	08/31/19	423,729	2,400,000	235,240
		6931359	G	P067952	3003222367	Fisher /John W	09/01/14	08/31/19	182,693	880,000	42,106
	007680 University of Rhode Island	6940700	C	P243020	417532G/ UR FAO GR5105	Petrasso /Richard D	10/01/18	09/30/19	390,746	634,150	243,404
	010056 Brookhaven National Laboratory	6938035	G	P159900	NO. 343173	Milner /Richard G	02/01/18	10/31/19	83,650	131,964	32,527
	<b>Total by Primary Sponsor</b>								<b>3,351,224</b>	<b>13,911,837</b>	<b>172,908</b>
000212 DOE - Idaho Falls	000212 DOE - Idaho Falls	6931567	G	P264000	DE-NE0008285	Forsberg /Charles W	12/17/14	09/30/18	7,777	1,070,698	(17,502)
		6931617	G	P264000	DE-NE0008285-001	Hu /Lin-Wen	12/17/14	09/30/18	98,594	1,266,302	81,949
		6931618	G	P264000	DE-NE0008285	Forsberg /Charles W	12/17/14	09/30/18	174,067	1,755,284	56
		6931619	G	P264000	DE-NE0008285-001	Forsberg /Charles W	12/17/14	09/30/18	56,211	869,000	3,816
		6932937	G	P068000	DE-NE0008416	Buongiorno /Jacopo	10/01/15	12/31/18	558,361	2,903,315	0
		6932938	G	P068000	DE-NE0008413	Short /Michael P	07/02/15	06/30/19	120,078	800,000	68,602
		6934697	G	P264000	DE-NE0008509	Bernard /John A	10/01/16	09/30/18	128,588	496,283	0
		6934835	G	P068000	DE-NE0008578	Smith /Kord S.	09/01/16	09/30/19	170,152	640,000	170,356
		6937154	G	P264000	DE-NE0008285-001	Hu /Lin-Wen	09/01/17	09/30/18	4,215	35,000	(3,275)
		6937171	G	P068000	DE-NE0008671	Bucci /Matteo	04/01/17	09/30/18	(900)	218,825	0
		6937791	G	P068000	DE-NE0008693	Bucci /Matteo	10/01/17	09/30/19	289,569	799,906	418,543
		6939578	G	P264000	DE-NE0008728	Kohse /Gordon E	10/01/18	09/30/19	0	631,289	631,289
		6939649	G	P068000	DE-NE0008827	Li /Ju	10/01/18	09/30/21	271,284	469,321	198,038
		6939821	G	P264000	DE-NE0008751	Khaykovich /Boris	10/01/18	09/30/21	119,280	781,857	662,577
		6939880	G	P068000	DE-NE0008752	Shirvan /Koroush	10/01/18	09/30/21	132,429	669,203	536,775
		6939898	G	P264000	DE-NE0008734	Shirvan /Koroush	10/01/18	09/30/19	149,339	243,816	94,477
	002198 Battelle-Pacific	6937334	C	P152000	378042	Surendranath /Yogesh	11/01/17	04/30/19	70,426	125,000	0
	005140 Brookhaven Science Associates	6939706	C	P060600	NO. 345800	Shulaker /Max M.	07/15/18	09/30/19	102,568	150,000	47,432
	005357 General Atomic	6936502	C	P320000	PO 4500068120	Shirvan /Koroush	05/10/17	05/31/18	(95)	85,000	(0)
	005951 Battelle Energy Alliance, LLC	6931265	C	P068000	RELEASE 00003/CONTRACT	Forsberg /Charles W	10/01/14	09/30/16	0	74,672	0
		6933487	C	P068000	RELEASE 00003/CONTRACT	Forsberg /Charles W	10/01/15	09/30/16	0	165,000	(0)
		6933641	C	P068000	RELEASE 10 / CONTRACT	Short /Michael P	11/19/15	09/30/18	6,960	215,858	(0)
		6935703	C	P068000	RELEASE 00003/CONTRACT	Forsberg /Charles W	10/01/16	09/30/17	0	133,025	0
		6936498	C	P068000	CONTRACT 112583 - RELEASE	Smith /Kord S.	10/04/16	09/30/19	82,019	150,000	35,078
		6937440	C	P068000	RELEASE NO. 15 UNDER	Li /Ju	08/09/17	09/30/18	(1,485)	50,000	(0)
		6937503	C	P264000	RELEASE 16 / 00112583	Hu /Lin-Wen	09/07/17	09/30/19	130,710	262,584	(8,821)
		6937536	C	P264000	RELEASE 14 BMC00112583	Hu /Lin-Wen	10/01/17	09/30/18	46,893	159,074	(0)
		6938386	C	P068000	REL 17 BMC 112583	Forget /Benoit Robert Yves	03/21/18	09/30/18	41,883	104,500	62,617
		6939000	C	P264000	RELEASE 18 / BMC 112583	Hu /Lin-Wen	05/17/18	09/30/19	86,018	158,628	72,610
		6939695	C	P068000	REL 17 BMC 112583	Forget /Benoit Robert Yves	10/01/18	09/30/19	71,679	0	(71,679)
		6939943	C	P068000	RELEASE 19 / BMC 112583	Li /Ju	06/25/18	06/30/19	131,731	150,000	18,269
	006953 Ohio State University	6936056	G	P068000	60058746	Short /Michael P	10/01/16	09/30/19	40,373	200,000	43,110

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	006981 Oregon State University	6932973	G	P264000	G0157A-B	Hu /Lin-Wen	10/01/15	12/31/18	267,022	813,664	16,507
		6936074	G	P264000	G0157A-B	Hu /Lin-Wen	03/01/17	12/31/18	18,448	66,336	0
	007591 University of Me	6938248	G	P068000	S51900000036928	Forsberg /Charles W	10/01/17	09/30/19	38,828	60,000	21,172
	007635 University of Ne	6938242	G	P068000	327075-875J	Short /Michael P	10/01/17	09/30/19	113,992	122,095	(84,177)
	007637 University of Te	6931207	G	P068000	UTA14-001222	Forsberg /Charles W	01/01/15	09/30/18	32,075	350,000	(0)
	007655 University of Wi	6935633	C	P068000	704K303	Baglietto /Emilio	10/01/16	09/30/19	83,968	195,000	(7,669)
	007676 University of Ca	6937842	G	P068000	SUB#00009635/PO#BB009	Forsberg /Charles W	10/01/17	09/30/19	107,802	250,000	13,808
	Total by Primary Sponsor									3,750,857	17,690,536
000213 DOE - Oak Ridge	003511 UT- Battelle LLC	6925060	C	P068000	4000109825	Smith /Kord S.	01/01/11	09/30/19	0	879,606	671
		6926987	C	P068000	4000109825	Kazimi /Mujid S	11/18/11	09/30/14	0	70,394	0
		6933020	C	P068000	4000102892	Smith /Kord S.	10/01/15	09/30/19	0	0	0
		6933205	C	P068000	4000102892	Forget /Benoit Robert Yves	10/01/15	09/30/18	0	197,041	(0)
		6933207	C	P068000	4000102892	Yildiz /Bilge	10/01/15	09/30/19	103,226	337,889	(20,891)
		6933208	C	P068000	4000102892	Buongiorno /Jacopo	10/01/15	09/30/17	0	172,288	0
		6933209	C	P068000	4000102892	Forget /Benoit Robert Yves	10/01/15	09/30/19	249,169	906,647	(42,566)
		6933210	C	P068000	4000102892	Smith /Kord S.	10/01/15	09/30/17	0	1,566	0
		6933211	C	P068000	4000102892	Smith /Kord S.	10/01/15	09/30/19	29,824	72,254	0
		6933212	C	P068000	4000102892	Kamrin /Kenneth N	10/01/15	09/30/18	0	258,593	(0)
		6933213	C	P068000	4000102892	Smith /Kord S.	10/01/15	09/30/19	110,711	161,297	(37,642)
		6933214	C	P068000	4000102892	Baglietto /Emilio	10/01/15	09/30/19	615,258	2,328,282	206,329
		6933257	C	P068000	4000102892	Short /Michael P	10/01/15	09/30/19	129,778	421,789	(20,575)
		6935411	C	P068000	4000102892	Bucci /Matteo	10/01/16	09/30/19	224,651	388,386	(59,889)
		6935412	C	P068000	4000102892	Shirvan /Korosh	01/01/17	09/30/19	84,602	158,374	(31,248)
		6936739	C	P068000	4000155797	Forget /Benoit Robert Yves	10/01/16	09/30/20	506,422	1,350,000	269,648
		6937665	C	P062000	4000158704	Roman /Yuriy	10/23/17	09/30/19	372,385	440,925	(14,956)
		6937706	C	P062000	4000158704	Roman /Yuriy	12/01/17	09/30/19	0	39,075	481
		6938156	C	P061097	4000160305	Marzouk /Youssef M	01/29/18	06/30/20	168,730	397,000	142,049
	6940671	C	P068000	4000169386	Forget /Benoit Robert Yves	05/01/19	04/30/22	4,648	80,000	75,352	
Total by Primary Sponsor									2,599,404	8,661,405	466,762
000216 DOE-Golden Colorado	000216 DOE-Golden Colorado	6934910	G	P065004	DE-EE0007535	Peters /Ian Marius	08/01/16	01/31/20	218,915	1,125,003	56,072
		6935036	G	P062000	DE-EE0007531	Stephanopoulos /Gregory	09/08/16	03/31/20	399,001	1,500,000	466,023
		6935708	G	P320000	DE-EE0007662	Trancik /Jessika	12/11/16	12/31/19	387,206	1,089,140	188,812
		6936826	G	P062000	DE-EE0007982	Green /William H	01/15/17	03/30/20	227,010	520,652	160,034
		6937224	G	P062000	DE-EE0007982	Green /William H	01/15/17	03/30/20	96,324	372,775	240,440
		6937577	G	P267500	DE-EE0008151	Kim /Jeehwan	07/12/17	06/30/19	17,908	225,000	0
		6939224	G	P069850	DE-EE0008316	Allanore /Antoine	01/16/18	07/31/19	689,203	1,880,900	1,191,697
		6939770	G	P065004	DE-EE0008381	Henry /Asegun S	05/31/18	09/30/19	462,510	1,892,185	1,429,675
		6939776	G	P065004	DE-EE0008375	Henry /Asegun S	05/15/18	09/30/19	673,013	1,768,424	1,095,411
		6940389	G	P267500	DE-EE0008558	Kim /Jeehwan	03/01/19	02/28/21	49,801	460,484	410,683
		6940708	G	P267500	DE-EE0008558	Kim /Jeehwan	03/01/19	02/28/21	0	516,999	516,999
		6940971	G	P069850	DE-EE0008316	Allanore /Antoine	05/01/19	07/31/19	284	6,683	6,400
		6940972	G	P069850	DE-EE0008316	Allanore /Antoine	05/01/19	07/31/19	3,100	6,358	3,258
	003165 Honeywell	6933853	C	P065004	N000189586	Hart /Anastasios John	11/19/15	09/30/18	98,859	297,575	(127,993)
		6934173	C	P065004	N000189586	Hart /Anastasios John	04/01/16	09/30/18	6,637	192,425	(87,506)

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		6935787	C	P065004	N000189586, LINE 1, MOD	Hart /Anastasios John	11/19/15	09/30/18	16,898	85,000	23,731
		6937107	C	P065004	N000189586	Hart /Anastasios John	11/19/15	09/30/18	0	149,744	149,744
		6940342	C	P065002	PO N000302644	Hart /Anastasios John	02/11/19	07/31/19	55,181	70,001	14,820
	003511 UT- Battelle LLC	6934834	C	P065004	4000149783	Hart /Anastasios John	09/13/16	09/30/17	(779)	160,000	(0)
		6937872	C	P065004	4000159358	Hart /Anastasios John	12/04/17	09/30/20	123,988	117,500	(93,253)
		6938710	C	P065004	4000159358 / 4000149783	Hart /Anastasios John	10/01/17	12/03/17	0	0	0
		6939467	C	P065004	4000164925	Hart /Anastasios John	09/11/18	08/31/21	86,243	52,500	(33,743)
		6930865	C	P065004	UGA-0-41029-16/ER39200	Buonassisi /Anthony	10/02/14	09/30/19	0	212,604	(0)
	006788 National Renewable Energy Laboratory	6933769	C	P066000	UGA-0-41029-16/ER39200	Ceder /Gerbrand	02/01/16	09/06/16	0	1,618	(0)
		6938354	C	P159400	UGA-0-41029-19	Reilly /John M	04/01/18	10/30/18	5,353	9,717	(0)
		6938789	C	P320000	UGA-0-41029-20	O'Sullivan /Francis Martin	06/18/18	02/17/19	66,251	70,000	0
		007794 Washington State	G	P065004	130616-G003845	Annaswamy /Anuradha M	10/02/17	10/01/22	114,316	230,000	115,684
	101602 Superconductor	6937244	G	P243020	AGMT. DTD. 07/01/2017	Bromberg /Leslie	07/01/17	09/30/18	(9,176)	111,200	6,338
	<b>Total by Primary Sponsor</b>								<b>3,788,045</b>	<b>13,124,487</b>	<b>5,733,325</b>
000220 DOE-NETL	000220 DOE-NETL	6935463	G	P069850	DE-EE0007810	Chiang /Yet-Ming	10/01/16	09/30/19	496,268	1,358,146	478,267
		6935993	G	P069850	DE-FE0026109	Tuller /Harry L	03/15/17	09/14/18	64,240	198,081	(0)
		6936995	G	P062000	DE-FE0026489	Hatton /Trevor Alan	06/02/17	12/31/19	424,575	1,131,124	604,874
		6939182	G	P417500	DE-FE0031668	Tuller /Harry L	08/17/18	08/16/20	65,925	500,000	434,075
		6939339	G	P062000	DE-FE0026489	Hatton /Trevor Alan	08/01/17	12/31/19	47,029	50,000	2,971
		6939447	G	P065005	DE-FE0031677	Wang /Evelyn	10/01/18	09/30/21	158,145	750,000	591,855
	007070 Pennsylvania State	6935460	G	P065004	5555-MIT-DOE-6825	Ghoniem /Ahmed F	10/01/16	09/30/18	22,993	133,574	0
	007545 University of Illinois-Urbana Champaign	6935555	G	P121110	078620-16205 (GRANT C	Madnick /Stuart E	10/01/15	09/30/19	(232,323)	969,000	0
		6937707	G	P121110	078620-16205	Madnick /Stuart E	10/01/17	09/30/18	493,150	643,721	(0)
		6939594	G	P121110	078620-16205 (GRANT C	Madnick /Stuart E	10/01/18	09/30/19	593,102	700,000	106,898
	007794 Washington State	6938310	C	P065004	130862-G003801	Annaswamy /Anuradha M	10/01/17	07/31/20	104,708	200,001	37,966
	<b>Total by Primary Sponsor</b>								<b>2,237,811</b>	<b>6,633,648</b>	<b>2,256,907</b>
000221 DOE - Office of ARPA-E	000221 DOE - Office of ARPA-E	6930183	G	P065009	DE-AR0000471	Chen /Gang	06/20/14	09/16/17	163	1,156,937	0
		6932846	G	P066000	DE-AR0000632	Hu /Juejun	10/05/15	01/04/20	162,256	907,517	195,804
		6933059	G	P069850	DE-AR0000625	Michel /Jurgen	09/01/15	04/30/19	256,406	1,487,961	(27,082)
		6933170	G	P063007	DE-AR0000611	Ben-Akiva /Moshe E	11/09/15	09/10/18	313,878	3,613,454	(0)
		6933188	G	P063007	DE-AR0000611	Ben-Akiva /Moshe E	12/11/15	09/10/18	67,208	205,984	(0)
		6933261	G	P069850	DE-AR0000625	Michel /Jurgen	12/15/15	04/30/19	39,178	237,811	0
		6933262	G	P069850	DE-AR0000625	Hu /Juejun	12/15/15	04/30/19	148,851	875,005	11,478
		6933263	G	P069850	DE-AR0000625	Fitzgerald /Eugene A	12/15/15	04/30/19	59,460	320,842	0
		6933265	G	P069850	DE-AR0000625	Perreault /David J	12/15/15	04/30/19	82,517	421,631	15,256
		6933334	G	P066000	DE-AR0000632	Hu /Juejun	10/05/15	01/04/20	11,611	93,482	32,651
		6933518	G	P065005	DE-AR0000471	Wang /Evelyn	06/20/14	09/16/17	(163)	111,002	0
		6935356	G	P320000	DE-AR0000713	Perez-Arriaga /Jose Ignacio	07/01/16	11/30/19	359,667	785,276	6,521
		6936686	G	P066000	DE-AR0000847	Hu /Juejun	07/01/17	07/15/19	452,205	537,815	(20,820)
		6936810	G	P066000	DE-AR0000847	Hu /Juejun	07/01/17	07/15/19	14,082	34,008	7,958
		6936812	G	P066000	DE-AR0000847	Hu /Juejun	07/01/17	07/15/19	196,243	313,675	43,283
		6936813	G	P066000	DE-AR0000847	Hu /Juejun	07/01/17	06/30/19	58,634	373,163	207,218
		6940248	G	P065004	DE-AR0001005	Henry /Asegun S	02/04/19	02/03/22	139,381	750,000	610,619
	004298 Sandia National	6933745	C	P243020	PO1619650/ CPA1340868	Petrasso /Richard D	03/07/16	09/30/19	113,335	334,950	(26,848)
	005508 Columbia Unive	6930075	G	P060600	2(GG008553)	Palacios /Tomas	04/01/14	07/31/19	227,484	1,505,000	67,589

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	005936 George Washin	6938165	G	P066000	17-S33	Hu /Juejun	12/15/17	12/14/19	83,271	100,000	14,269
	007070 Pennsylvania S	6936698	G	P065004	5652-MIT-EARPA-0801	Del Vecchio /Domitilla	03/28/17	08/31/18	28,495	229,490	(0)
	007232 Research Foundation of SUNY-Buffalo	6939938	G	P068000	PO NOS. R1154215 / R115	Shirvan /Koroush	09/17/18	03/16/21	0	0	0
		6940392	G	P068000	PO R1154215	Shirvan /Koroush	09/17/18	03/16/21	0	145,350	145,350
		6940393	G	P068000	PO R1154214	Shirvan /Koroush	09/17/18	03/16/21	0	7,650	7,650
	010718 United Technol	6940860	C	P062000	TBD	Brushett /Fikile R	01/22/19	10/21/21	28,120	102,124	74,005
	010946 Brayton Energy	6940431	G	P061096	AGREEMENT DTD 2/6/19	Tan /Choon S	01/01/19	12/31/20	12,729	260,152	247,423
	103802 C.A. Goudey &	6939174	G	P065005	AGMT DTD 05/01/2018	Lermusiaux /Pierre	06/01/18	04/01/21	11,738	90,000	78,262
	104090 Yellowstone En	6939928	G	P068000	SUBCONTRACT AGMT 01	Forget /Benoit Robert Yves	01/01/19	12/31/20	42,576	298,999	256,423
	<b>Total by Primary Sponsor</b>								<b>2,909,324</b>	<b>15,299,279</b>	<b>1,947,010</b>
000222 DOE/NNSA/Washngton	007622 Lawrence Liver	6935266	C	P061901	NO. B620960	Chakraborty /Arup K	12/06/16	09/30/19	78,402	278,273	29,536
	<b>Total by Primary Sponsor</b>								<b>78,402</b>	<b>278,273</b>	<b>29,536</b>
000225 DOE - U.S. Energy Information Administration	000225 DOE - U.S. Ene	6935253	G	P159400	DE-EI0003030	Karplus /Valerie Jean	09/27/16	02/28/19	74,339	428,755	(0)
	007714 University of Arkansas	6935475	G	P068700	SA1712153	Ilic /Marija	08/01/16	07/31/19	0	81,824	0
		6936709	G	P068700	SA1712153	Ilic /Marija	08/01/17	07/31/19	27,126	99,933	94
	<b>Total by Primary Sponsor</b>								<b>101,465</b>	<b>610,511</b>	<b>94</b>
000226 U.S. Department of Energy, Office of Science	007129 SURA / Jefferson Lab	6935157	C	P159900	SUBCONTRACT JSA-17-C	Williams /Michael	11/28/16	01/18/19	20,618	85,531	6
		6935508	C	P159900	SUBCONTRACT JSA-17-C	Williams /Michael	11/01/16	12/20/18	158,733	224,469	0
	007533 University of Ca	6940325	G	P067952	KK1939	Daskalakis /Konstantinos	09/15/18	09/14/19	4,355	150,000	145,645
	007603 University of Iov	6939845	G	P065005	S00483-01	Lloyd /Seth	09/01/18	08/31/19	0	62,000	62,000
	007617 University of Mi	6940178	G	P062000	A004527506	Kulik /Heather Janine	08/01/18	07/31/19	50,092	110,000	59,908
	104645 FGC Plasma Solutions	6939061	G	P065004	STTR DTD 07/19/2018	Ghoniem /Ahmed F	07/30/18	08/31/19	46,203	60,000	13,797
	<b>Total by Primary Sponsor</b>								<b>280,000</b>	<b>692,000</b>	<b>281,356</b>
000227 DOE - Office of Environmental Management	000227 DOE - Office of Environmental Management	6935003	G	P065004	DE-EM0004484	Asada /Haruhiko	09/22/16	06/21/19	0	0	0
		6935216	G	P065004	DE-EM0004484	Asada /Haruhiko	09/22/16	09/21/17	0	159,721	0
		6935217	G	P065004	DE-EM0004484	Asada /Haruhiko	09/22/17	06/21/19	15,767	136,664	8,502
		6935853	G	P065004	DE-EM0004484	Asada /Haruhiko	09/22/16	09/21/17	0	15,279	0
		6937983	G	P065004	DE-EM0004484	Asada /Haruhiko	09/22/17	06/21/19	(380)	13,336	11,399
	<b>Total by Primary Sponsor</b>								<b>15,387</b>	<b>325,000</b>	<b>19,900</b>
000229 DOE - Office of Energy Efficiency and Renewable Energy	007180 Purdue Univers	6939853	G	P065004	14000388-014	Henry /Asegun S	10/01/18	09/30/19	143,597	190,127	46,530
	102830 Western Resea	6938492	G	P267111	MIT17-10G663	Grossman /Jeffrey C.	10/01/17	12/31/19	513,650	580,009	(2)
	<b>Total by Primary Sponsor</b>								<b>657,247</b>	<b>770,136</b>	<b>46,528</b>
000340 NIH	000340 NIH	6899738	G	P062000	5-P01-AI071195-02	Chakraborty /Arup K	06/01/06	05/31/12	(1,060)	420,046	0
		6922632	G	P061902	5-T32-EB001680-08	Rosen /Bruce R	09/30/10	08/31/19	0	117,911	117,911
		6922663	G	P161000	2-T32-EB001680-06A2	Rosen /Bruce R	09/30/10	08/31/11	0	139,507	(0)
		6924255	G	P061902	5-T32-EB001680-07	Rosen /Bruce R	09/01/11	08/31/12	0	157,959	0
		6924761	G	P267100	5-DP1-NS082101-05	Yanik /Mehmet Fatih	09/30/11	07/31/16	0	3,840,391	(0)
		6925892	G	P152000	5-P41-EB015871-29	So /Peter T. C.	06/01/12	09/17/17	(1,510)	2,301,059	(0)
		6926438	G	P069201	5-R01-AR060331-04	Grodzinsky /Alan J	09/01/12	08/31/18	(28)	1,132,851	(0)

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		6926499	G	P061902	5-T32-EB001680-08	Rosen /Bruce R	09/01/12	08/31/13	0	161,209	(0)
		6926524	G	P400600	5-R01-MH097104-05	Feng /Guoping	09/01/12	06/30/19	0	1,578,271	0
		6926553	G	P069850	1-DP2-AG044279-01	Gore /Jeff	09/30/12	08/31/17	(11,400)	2,340,000	0
		6926759	G	P152000	5-R01-GM081393-08 REVISED	Stubbe /JoAnne	10/01/12	06/30/19	0	806,336	(0)
		6927586	G	P402000	5-R01-EB016101-05	Langer /Robert S	01/01/13	02/28/19	0	1,187,708	0
		6927670	G	P402000	1-R01-EB016101-01A1	Cima /Michael J	01/01/13	02/29/16	0	705,544	0
		6927671	G	P400600	1-R01-EB016101-01A1	Graybiel /Ann M	01/01/13	02/29/16	0	754,410	(0)
		6927682	G	P402000	5-R01-CA096504-13	Wittrup /Karl Dane	03/01/13	03/31/19	0	938,919	0
		6927713	G	P402010	2-R01-CA096504-11	Wittrup /Karl Dane	04/01/13	03/31/16	0	268,994	0
		6927714	G	P069201	2-R01-CA096504-11	Lauffenburger /Douglas A	04/01/13	03/31/16	0	309,730	(0)
		6927715	G	P069201	2-R01-CA096504-11	White /Forest M	04/01/13	03/31/16	0	154,380	(0)
		6928204	G	P062000	5-R01-GM101420-03	Jensen /Klavs F	06/15/13	04/30/19	0	916,427	0
		6928372	G	P062000	1-R01-GM101420-01A1	Jensen /Klavs F	08/01/13	04/30/16	0	579,589	0
		6928497	G	P267600	5-R01-CA178636-06	Fujimoto /James G	09/01/13	06/30/19	0	455,292	(0)
		6928547	G	P061902	5-T32-EB001680-09	Rosen /Bruce R	09/01/13	08/31/14	0	162,505	0
		6928576	G	P165000	5-R01-ES016313-08 REVISED	Essigmann /John M	09/01/13	07/31/18	23,406	944,539	(0)
		6928602	G	P400600	5-R01-NS025529-26	Graybiel /Ann M	09/15/13	06/30/19	0	930,631	0
		6928670	G	P159300	1-DP2-DK102256-01	Tye /Kay M.	06/30/13	06/30/18	(37,651)	2,199,788	(0)
		6928695	G	P165000	5-R01-EB017755-03	Ribbeck /Katharina	09/30/13	04/30/19	0	511,995	0
		6928705	G	P069201	5-P50-GM098792-05	Weiss /Ron	09/25/13	04/30/19	0	54,872	54,872
		6928721	G	P165000	1-R01-EB017755-01	Grodzinsky /Alan J	09/30/13	08/31/16	0	71,546	(0)
		6928722	G	P165000	1-R01-EB017755-01	Hammond /Paula T	09/30/13	08/31/16	0	128,589	(0)
		6928723	G	P165000	1-R01-EB017755-01	Lu /Timothy K	09/30/13	08/31/16	0	165,161	0
		6928791	G	P062000	1-R01-GM101420-01A1	Anderson /Daniel Griffith	06/15/13	04/30/16	0	48,040	0
		6928844	G	P069200	1 P50GM098792-01A1	Weiss /Ron	09/25/13	05/31/14	0	502,822	(0)
		6928845	G	P069200	1 P50GM098792-01A1	Lu /Timothy K	09/25/13	05/31/14	0	191,372	0
		6928846	G	P069200	1 P50GM098792-01A1	Voigt /Christopher A.	09/25/13	05/31/14	0	308,091	0
		6928847	G	P069200	1 P50GM098792-01A1	Niles /Jacquin	09/25/13	05/31/14	0	274,306	0
		6928848	G	P069200	1 P50GM098792-01A1	Del Vecchio /Domitilla	09/25/13	05/31/14	0	274,919	0
		6928849	G	P069200	1 P50GM098792-01A1	Prather /Kristala L	09/25/13	05/31/14	0	195,012	(0)
		6928850	G	P069200	1 P50GM098792-01A1	Weiss /Ron	09/25/13	05/31/14	0	147,341	(0)
		6928851	G	P069200	1 P50GM098792-01A1	Weiss /Ron	09/25/13	05/31/14	0	169,722	0
		6929214	G	P151009	5-R37-GM041934-26	Grossman /Alan Davis	12/31/13	11/30/18	(3,506)	2,061,853	(0)
		6929246	G	P152000	5-R01-GM089732-08 REVISED	Movassaghi /Mohammad	01/01/14	11/30/18	6,542	1,699,174	(0)
		6929276	G	P159300	5-R01-MH102441-05	Tye /Kay M.	01/15/14	11/30/19	209,737	1,949,996	0
		6929557	G	P152000	5-R01-GM065519-16 REVISED	Nolan /Elizabeth Marie	01/01/14	03/31/19	106,789	1,449,585	0
		6929566	G	P267600	1-R01-CA178636-01	Fujimoto /James G	09/01/13	06/30/16	0	315,971	0
		6929606	G	P402000	5-R01-AI111860-05	Irvine /Darrell J	04/01/14	12/31/19	183,127	919,976	(6,255)
		6929638	G	P400600	5-R01-NS078127-05R	Jazayeri /Mehrdad	04/01/14	03/31/20	161,730	1,706,250	281,679
		6929665	G	P402000	1-R01AI111860-01	Irvine /Darrell J	04/01/14	03/31/16	0	361,772	0
		6929679	G	P061901	5-R01-DK087984-07 REVISED	Liau /Jane-Jane Chen	08/01/13	03/31/20	14,456	1,357,369	5,070
		6929695	G	P402012	5-R01-CA034992-36 REVISED	Yilmaz /Omer	04/01/14	03/31/20	588,582	3,548,200	38,431
		6929716	G	P402000	5-R01-CA184956-04	Manalis /Scott R	06/03/14	08/31/19	219,603	1,092,625	49,852
		6929770	G	P243021	5P41EB002026-43	Griffin /Robert Guy	04/01/14	05/31/19	661,007	5,092,193	(292,125)
		6930024	G	P151059	5-R01-GM110048-04	Keating /Amy E	05/01/14	03/31/19	47,082	1,208,184	(0)
		6930033	G	P091020	5 P01 HD061315-05	Duflo /Esther	06/01/13	05/31/17	242	548,264	0
		6930034	G	P091020	5 P01 HD061315-05	Duflo /Esther	06/01/13	05/31/17	(242)	172,381	0
		6930047	G	P402012	5-R01-CA184956-02	Jacks /Tyler E	06/03/14	08/31/19	7,100	1,211,364	0
		6930052	G	P165000	5-P01-CA026731-39	Tannenbaum /Steven R	06/01/14	05/31/20	264,985	951,653	9,447

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**Research Expenditures by Primary Sponsor**  
**Fiscal Year 2019**

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6930053	G	P165000	2-P01-CA026731-35A1	Tannenbaum /Steven R	06/01/14	05/31/15	0	0	0
		6930054	G	P165000	2-P01-CA026731-35A1	Dedon /Peter C	06/01/14	05/31/20	132,742	805,481	6,909
		6930055	G	P165000	2-P01-CA026731-35A1	Essigmann /John M	06/01/14	05/31/20	118,190	761,532	158,301
		6930056	G	P165000	2-P01-CA026731-35A1	Engelward /Bevin P	06/01/14	05/31/20	83,952	605,939	65,712
		6930061	G	P402012	5-R01-GM034277-32	Sharp /Phillip A	06/01/14	05/31/18	2,030	1,878,458	(0)
		6930063	G	P159300	5-R01-MH104536-05	Littleton /J. Troy	06/01/14	02/28/19	355,805	1,950,000	3,032
		6930085	G	P402012	U01-CA184897	Gertler /Frank	06/01/14	05/31/20	0	151	151
		6930087	G	P402012	1-U01-CA184897-01	Gertler /Frank	06/01/14	05/31/15	0	90,161	(0)
		6930088	G	P151054	1-U01-CA184897-01	Burge /Christopher B	06/01/14	05/31/15	0	190,282	(0)
		6930089	G	P402012	1-U01-CA184897-01	Gertler /Frank	06/01/14	05/31/15	0	329,900	0
		6930099	G	P152000	5-R01-GM046059-25	Buchwald /Stephen Leffler	08/01/14	07/31/18	(73)	2,294,505	0
		6930101	G	P243021	5-P41-EB002026-42	Griffin /Robert Guy	04/01/14	05/31/19	0	33,900	(0)
		6930123	G	P151074	5-R01-GM069857-12	Drennan /Catherine L	06/01/14	05/31/19	20,778	1,067,043	0
		6930127	G	P067952	5-R01-GM082209-08 REVISED	Tidor /Bruce	06/05/14	05/31/20	68,287	1,123,533	130,167
		6930151	G	P069200	1 P50GM098792-01A1	Weiss /Ron	03/03/15	05/31/15	0	259,407	0
		6930152	G	P069200	1 P50GM098792-01A1	Lu /Timothy K	03/03/14	05/31/15	0	242,942	0
		6930153	G	P069200	1 P50GM098792-01A1	Voigt /Christopher A.	03/03/14	05/31/15	0	238,722	(0)
		6930154	G	P069200	1 P50GM098792-01A1	Niles /Jacquin	03/03/14	05/31/15	0	242,997	(0)
		6930155	G	P069200	1 P50GM098792-01A1	Del Vecchio /Domitilla	03/03/14	05/31/15	0	245,660	(0)
		6930156	G	P069200	1 P50GM098792-01A1	Prather /Kristala L	03/03/14	05/31/15	0	224,602	0
		6930157	G	P069200	1 P50GM098792-01A1	Weiss /Ron	03/03/14	05/31/15	0	180,085	0
		6930158	G	P069201	1 P50GM098792-01A1	Weiss /Ron	06/01/14	05/31/15	0	233,018	(0)
		6930205	G	P165000	2-P01-CA026731-35A1	Tannenbaum /Steven R	06/01/14	05/31/15	0	18,107	0
		6930217	G	P159300	1-RF1-AG047661-01 REVISED	Tsai /Li-Huei	07/01/14	05/31/19	113,376	1,068,472	(142)
		6930244	G	P151072	3-R01-GM097241-06	Imperiali /Barbara	07/01/14	07/31/19	68,845	1,082,763	423
		6930256	G	P068800	2T32GM008334-28	Wittrup /Karl Dane	07/01/14	06/30/20	0	354,382	354,382
		6930257	G	P068800	2T32GM008334-26	Wittrup /Karl Dane	07/01/14	06/30/15	0	748,029	0
		6930262	G	P069201	5-U01-CA184898-05	Fraenkel /Ernest	07/01/14	05/31/20	0	0	0
		6930268	G	P267600	5-R01-CA075289-21	Fujimoto /James G	06/10/14	04/30/20	220,913	1,166,808	5,421
		6930271	G	P151000	2-T32-GM087237-06	Burge /Christopher B	07/01/14	06/30/19	0	36,295	36,295
		6930272	G	P151000	2-T32-GM087237-06	Burge /Christopher B	07/01/14	06/30/15	0	244,544	0
		6930287	G	P069200	1-U01-CA184898-01	Fraenkel /Ernest	07/01/14	05/31/15	0	388,822	(0)
		6930314	G	P159300	1-RF1-AG047661-01	Tye /Kay M.	07/01/14	05/31/19	144,359	626,033	(1)
		6930335	G	P061901	5-R01-EB017205-04	Mark /Roger G	08/01/14	07/31/18	36,040	2,410,891	0
		6930358	G	P402000	5-R21-AI110787-02 REVISED	Manalis /Scott R	08/01/14	07/31/18	27,693	428,998	0
		6930359	G	P152000	5-R01-GM058160-19	Buchwald /Stephen Leffler	08/01/14	07/31/18	3,905	1,859,115	0
		6930370	G	P165000	5-R01-AI111395-05	Sasisekharan /Ram	08/01/14	07/31/19	736,894	3,750,000	589,373
		6930476	G	P151020	5-R01-GM031030-36	Walker /Graham C	08/01/14	06/30/19	132,624	1,787,199	22,554
		6930603	G	P165000	2-P01-CA026731-35A1	Tannenbaum /Steven R	06/01/14	05/31/15	0	154,163	0
		6930680	G	P061902	5-T32-EB001680-10	Rosen /Bruce R	09/01/14	08/31/15	0	174,303	0
		6930698	G	P402000	5-R00-AG045144-05	Yilmaz /Omer	06/03/14	05/31/18	(279)	821,655	(0)
		6930702	G	P152000	5-R01-GM029595-38 REVISED	Stubbe /JoAnne	09/10/14	08/31/19	176,736	1,146,577	(27,649)
		6930724	G	P152000	5-R01-GM110535-04	Pentelute /Bradley L.	09/15/14	05/31/19	217,162	1,321,954	(0)
		6930745	G	P061901	5-R33-AI100190-04	Gehrke /Lee	06/01/12	08/31/18	1,310	1,322,909	(0)
		6930746	G	P159300	1-RF1-AG048029-01 REVISED	Tsai /Li-Huei	08/15/14	05/31/19	(5,596)	2,126,485	86,192
		6930759	G	P151002	5-R01-AR065484-05	Schwartz /Thomas	09/01/14	08/31/19	218,369	1,634,514	120,660
		6930760	G	P069201	5-R01-HL121386-03	So /Peter T. C.	09/15/14	06/30/18	(28,091)	541,300	(0)
		6930793	G	P067952	2-R01-GM082209-05A1	Tidor /Bruce	06/05/14	05/31/18	0	644,138	55,682
		6930800	G	P151012	5-R01-AT008764-05	Kim /Dennis H	09/30/14	08/31/19	574,118	3,156,551	100,366

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**Fiscal Year 2019**

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6930842	G	P243021	5-R01-EB001960-40	Griffin /Robert Guy	09/01/14	03/31/19	5,071	1,330,182	4,559
		6930845	G	P069850	1-DP2-CA195769-01	Cisse /Ibrahim I	09/23/14	06/30/19	(5,588)	2,205,804	(0)
		6930882	G	P159300	5-U01-NS090473-03	Sur /Mriganka	09/30/14	07/31/18	166,484	1,522,284	(0)
		6930885	G	P267600	5-R01-CA075289-19	Fujimoto /James G	07/01/14	04/30/19	52,030	392,447	20,078
		6930887	G	P165000	2-P01-CA026731-35A1	Essigmann /John M	06/01/14	05/31/15	0	26,676	(0)
		6930901	G	P400600	5-R24-MH106075-03 REVIS	Desimone /Robert	09/26/14	05/31/18	0	45,388	42,933
		6930989	G	P066000	1R01HL121386-01A1 REVIS	Dao /Ming	09/15/14	06/30/18	49,635	541,300	0
		6930990	G	P069201	1-R01-HL121386-01A1 REVIS	So /Peter T. C.	09/15/14	06/30/18	52,781	568,400	0
		6931001	G	P159300	1-U01-NS090473-01	Brown /Emery Neal	09/30/14	07/31/18	3,924	275,721	0
		6931002	G	P159300	1-U01-NS090473-01	Chung /Kwanghun	09/30/14	07/31/18	(4,557)	315,901	0
		6931003	G	P400600	1-U01-NS090473-01	Wickersham /Ian R.	09/30/14	07/31/18	(533)	315,898	0
		6931391	G	P402000	5-R01-CA184956-02	Vander Heiden /Matthew G.	06/03/14	08/31/16	0	77,156	0
		6931405	G	P069201	5-R01-NS089076-05	Fraenkel /Ernest	04/01/15	03/31/20	111,924	1,209,102	286,922
		6931426	G	P402000	5-R33-CA191143-03 REVIS	Manalis /Scott R	05/01/15	04/30/20	167,993	1,011,112	43,529
		6931437	G	P069201	1-R01-NS089076-01A1	Fraenkel /Ernest	04/01/15	03/31/20	158,657	908,674	170,456
		6931438	G	P402012	1-R01-NS089076-01A1	Housman /David E	04/01/15	03/31/20	112,141	653,994	91,989
		6931454	G	P267500	5-R01-NS086804-05	Anikeeva /Polina Olegovna	02/15/15	12/31/19	427,852	1,631,225	20,790
		6931467	G	P402000	1-R01-EB016101-01A1	Cima /Michael J	01/01/13	02/29/16	0	8,679	0
		6931476	G	P152000	5-R01-GM081393-07	Stubbe /JoAnne	02/01/13	12/31/15	0	481,865	0
		6931492	G	P151072	3-R01-GM097241-05S1	Imperiali /Barbara	07/01/14	07/31/19	3,774	290,376	(0)
		6931496	G	P159300	5-R01-MH106497-05	Choi /Bohyun Gloria	03/01/15	02/29/20	508,152	1,950,000	202,217
		6931553	G	P267110	1-R01-NS086804-01A1	Anikeeva /Polina Olegovna	02/15/15	07/03/15	0	25,751	0
		6931588	G	P159300	5-R37-MH087027-10	Miller /Earl K	03/01/15	02/28/20	656,163	3,060,435	528,024
		6931608	G	P243021	5-P41-EB002026-42	Griffin /Robert Guy	04/01/14	05/31/19	14,358	400,000	287,458
		6931621	G	P159300	5-R01-MH106469-05	Bear /Mark	04/01/15	01/31/20	325,317	2,681,280	464,742
		6931639	G	P400600	5-R01-EY023322-06	Jazayeri /Mehrdad	01/31/15	07/31/19	130,995	1,447,677	(2,104)
		6931664	G	P152000	5-R01-GM095843-08 REVIS	Swager /Timothy M	04/01/15	02/29/20	168,841	1,276,800	84,757
		6931676	G	P267600	5-R01-EY011289-33	Fujimoto /James G	03/01/15	02/29/20	322,482	1,363,705	399,791
		6931693	G	P039070	1-R24-MH106075-01	Boyden /Edward	09/26/14	05/31/18	9,045	1,358,612	0
		6931697	G	P159300	5-R01-EY025437-05	Nedivi /Elly	04/01/15	02/29/20	396,300	1,691,113	208,932
		6931698	G	P159300	5-R01-MH085802-10	Sur /Mriganka	04/01/15	02/28/20	626,475	2,246,655	257,459
		6931733	G	P151020	5-R01-CA021615-42	Walker /Graham C	05/01/15	04/30/20	287,798	1,715,974	421,681
		6931734	G	P159300	5-R01-EY007023-28	Sur /Mriganka	04/01/15	03/31/20	291,356	1,951,824	(615)
		6931737	G	P069201	5 T32 EB019940-05 REVIS	Jasanoff /Alan Pradip	04/01/15	03/31/20	0	51,376	51,376
		6931738	G	P069201	1T32EB019940	Jasanoff /Alan Pradip	04/01/15	03/31/16	0	98,619	0
		6931740	G	P069201	1T32EB019940	Jasanoff /Alan Pradip	04/01/15	03/31/16	0	0	0
		6931828	G	P151000	5-T32-GM087237-07	Burge /Christopher B	07/01/15	06/30/16	0	259,984	0
		6931861	G	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	354,393	(0)
		6931862	G	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	111,029	0
		6931864	G	P402000	2-P30-CA14051-44	Yilmaz /Omer	05/01/15	04/30/16	0	189,995	0
		6931865	G	P402000	2-P30-CA014051-44	Koehler /Angela Nicole	05/01/15	04/30/16	0	151,953	(0)
		6931866	G	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	21,396	0
		6931870	G	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	131,000	0
		6931871	G	P402000	2-P30-CAA14051-44	Chen /Jianzhu	05/01/15	04/30/16	0	106,112	0
		6931872	G	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	307,836	(0)
		6931873	G	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	408,266	(0)
		6931874	G	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	352,039	(0)
		6931875	G	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	191,954	0

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		6931876	G	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	197,618	(0)
		6931877	G	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	224,596	(0)
		6931878	G	P402000	2-P30-CAA14051-44	Jacks /Tyler E	05/01/15	04/30/16	0	286,898	0
		6931879	G	P402000	2-P30-CAA14051-44	Jacks /Tyler E	05/01/15	04/30/16	0	198,125	0
		6931880	G	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	197,340	(0)
		6931914	G	P402012	5-U01-CA184897-03	Gertler /Frank	06/01/15	05/31/16	0	0	0
		6931915	G	P402012	1-U01-CA184897-01	Gertler /Frank	06/01/15	05/31/16	0	287,713	0
		6931916	G	P151054	1-U01-CA184897-01	Burge /Christopher B	06/01/15	05/31/16	0	187,455	0
		6931917	G	P402012	1-U01-CA184897-01	Gertler /Frank	06/01/15	05/31/16	0	322,099	0
		6931928	G	P062000	5-R01-DE013023-20	Langer /Robert S	05/08/15	04/30/20	407,854	1,950,000	298,339
		6931934	G	P061901	5-R01-GM114190-05	Mirny /Leonid A	06/01/15	05/31/20	247,778	1,389,620	272,951
		6931937	G	P067952	5-R01-HG008363-03 REV15	Gifford /David K	05/13/15	04/30/20	351,009	2,259,901	167,696
		6931948	G	P069201	5-U01-CA184898-02	Fraenkel /Ernest	07/01/14	05/31/16	0	586,543	(0)
		6932040	G	P151000	5-T32-GM007287-42	Bell /Stephen P	07/01/15	06/30/20	0	485,152	485,152
		6932041	G	P151039	2-T32-GM007287-41	Bell /Stephen P	07/01/15	06/30/16	0	1,730,653	(0)
		6932053	G	P402000	5-R01-HD085866-05	Amon /Angelika B	06/15/15	04/30/20	339,736	1,565,512	248,778
		6932061	G	P165000	5-T32-ES007020-45	Essigmann /John M	07/01/15	06/30/20	0	277,651	277,651
		6932062	G	P165000	2-T32-ES007020-41	Essigmann /John M	07/01/15	06/30/16	0	442,406	(0)
		6932082	G	P402000	5-R01-EB016101-03	Langer /Robert S	01/01/13	09/15/15	0	12,860	0
		6932087	G	P069201	5-P50-GM098792-03	Weiss /Ron	03/03/15	05/31/16	0	0	0
		6932107	G	P267600	2-R01-EY011289-29A1	Fujimoto /James G	03/01/15	02/28/17	0	126,539	47,840
		6932108	G	P267600	2-R01-EY011289-29A1	Fujimoto /James G	03/01/15	02/28/19	79,310	395,326	1,813
		6932119	G	P069201	5-P50-GM098792-03	Weiss /Ron	03/03/14	05/31/16	0	232,571	0
		6932120	G	P069201	5-P50-GM098792-03	Lu /Timothy K	03/03/14	05/31/16	0	233,442	(0)
		6932121	G	P069201	5-P50-GM098792-03	Voigt /Christopher A.	03/03/14	05/31/16	0	231,063	(0)
		6932122	G	P069201	5-P50-GM098792-03	Niles /Jacquin	03/03/14	05/31/16	0	232,075	(0)
		6932124	G	P069201	5-P50-GM098792-03	Prather /Kristala L	03/03/14	05/31/16	0	234,557	(0)
		6932125	G	P069201	5-P50-GM098792-03	Del Vecchio /Domitilla	03/03/14	05/31/16	0	253,557	0
		6932126	G	P069201	5-P50-GM098792-03	Weiss /Ron	03/03/14	05/31/16	0	207,777	(0)
		6932127	G	P069201	5-P50-GM098792-03	Weiss /Ron	03/03/14	05/31/16	0	192,048	0
		6932198	G	P068800	5-T32-GM008334-27	Wittrup /Karl Dane	07/01/15	06/30/16	0	769,049	(0)
		6932228	G	P151015	5-R21-AR068477-02	Guarente /Leonard Pershing	07/01/15	06/30/18	(42)	369,851	0
		6932234	G	P243021	5-R01-EB002804-30S1	Griffin /Robert Guy	04/01/15	04/30/19	418,223	2,358,774	75,742
		6932235	G	P243021	5-R21-EB018924-02	Iwasa /Yukikazu	07/01/15	04/30/18	(41)	384,087	0
		6932254	G	P069201	5-R37-GM057073-21	Sasisekharan /Ram	08/01/15	07/31/19	275,438	1,724,614	486,961
		6932260	G	P243021	5-R01-EB004866-12	Temkin /Richard J	07/01/15	06/30/20	68,768	1,592,309	411,395
		6932279	G	P039070	5-R01-DA029639-08	Boyden /Edward	07/01/15	08/31/19	304,729	1,385,103	4,572
		6932327	G	P402000	1-R33-CA191143-01	Manalis /Scott R	07/13/15	04/30/17	0	0	0
		6932417	G	P069201	5-R01-DA038642-05	Jasanoff /Alan Pradip	06/01/15	06/30/20	371,649	2,515,767	386,954
		6932511	G	P039000	5-R01-HD086899-02	Breazeal /Cynthia Lynn	08/19/15	07/31/18	9,773	345,753	(0)
		6932518	G	P091020	5-R01-AG049897-05	Finkelstein /Amy	09/01/15	04/30/20	239,560	2,713,783	700,641
		6932553	G	P152000	1-R01-DA038642-01A1	Bawendi /Moungi G	08/15/15	06/30/20	38,360	291,622	72,869
		6932556	G	P402000	1-R33-CA191143-01	Manalis /Scott R	08/01/15	03/19/16	0	14,707	0
		6932562	G	P152000	1-DP2-GM119162-01	Shoulders /Matthew D.	06/30/15	05/31/20	195,738	2,340,000	137,302
		6932575	G	P069201	3-R01-NS089076-01A1S1	Lu /Timothy K	04/01/15	03/30/16	(19,170)	26,825	(0)
		6932576	G	P069201	3-R01-NS089076-01A1S1	Fraenkel /Ernest	04/01/15	03/30/16	0	23,175	0
		6932579	G	P402000	1-R33-CA191143-01	Manalis /Scott R	08/01/15	03/19/16	0	14,857	0

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		6932635	G	P159300	5-R01-NS040296-17	Littleton /J. Troy	09/15/15	07/31/19	326,382	1,536,521	2,919
		6932641	G	P243021	5-R01-GM114834-13	Iwasa /Yukikazu	09/01/15	08/31/19	389,676	2,321,684	(35,719)
		6932642	G	P061902	5-T32-EB001680-11	Rosen /Bruce R	09/01/15	08/31/16	0	177,362	0
		6932682	G	P243021	2-R01-EB002804-27	Griffin /Robert Guy	04/01/15	04/30/19	23,713	20,000	(68,349)
		6932704	G	P400600	5-R01-EY014074-21	Constantine-Paton /Martha	09/30/15	08/31/18	244	1,167,416	0
		6932740	G	P400600	1-U01-MH-109129-01	Wickersham /Ian R.	09/23/15	06/30/16	(263,317)	226,194	(0)
		6932741	G	P400600	5-U01-MH-109129-02	Wickersham /Ian R.	07/01/16	06/30/17	143,767	443,431	0
		6932742	G	P400600	5-U01-MH-109129-03	Wickersham /Ian R.	07/01/17	06/30/18	(3,674)	714,000	0
		6932767	G	P069201	5-R24-MH109081-03	Jasanoff /Alan Pradip	09/23/15	06/30/18	11,040	879,747	(0)
		6932772	G	P400600	5U01MH108168-04	Whitfield-Gabrieli /Susan	09/16/15	06/30/20	0	38,502	38,502
		6932773	G	P400600	5-U01-MH108168-03	Whitfield-Gabrieli /Susan	09/16/15	06/30/16	0	616,509	0
		6932774	G	P400600	5-U01-MH108168-03	Desimone /Robert	09/16/15	06/30/16	0	9,865	(0)
		6932789	G	P243021	5-R01-GM114834-13	Iwasa /Yukikazu	09/01/15	08/31/19	2,016	640,500	112,675
		6932850	G	P061901	5-R25-GM116705-04	Gray /Martha L	09/21/15	07/31/19	517,828	2,140,124	353,990
		6932867	G	P400600	1-U01-MH-109129-01	Feng /Guoping	09/23/15	06/30/16	(1)	501,806	(0)
		6932871	G	P061901	1DP2GM119419	Shalek /Alexander K	09/30/15	05/31/20	1,043,297	2,271,890	579,560
		6932899	G	P069201	1-U01CA202177-01	Kamm /Roger Dale	09/22/15	08/31/16	0	292,951	0
		6932949	G	P069200	1-U01CA202177-01	Kamm /Roger Dale	09/22/15	08/31/19	0	0	0
		6932957	G	P400600	5-U01-MH108168-02	Whitfield-Gabrieli /Susan	07/01/16	06/30/17	0	968,554	(0)
		6932958	G	P400600	5-U01-MH108168-02	Desimone /Robert	07/01/16	06/30/17	0	35,196	0
		6933091	G	P243021	5-R01-EB004866-12	Temkin /Richard J	07/01/15	06/30/20	65,351	306,000	(2,448)
		6933106	G	P267600	5-R21-AI121669-04	Lu /Timothy K	12/01/15	11/30/19	0	202,193	(0)
		6933112	G	P069201	1-U01CA202177-01	Kamm /Roger Dale	09/22/15	08/31/16	0	0	0
		6933149	G	P159300	1-R24-MH109081-01	Sur /Mriganka	09/23/15	06/30/18	(10,511)	382,705	(0)
		6933161	G	P069850	1-DP2-CA195769-01	Cisse /Ibrahim I	12/01/15	06/30/16	0	16,919	0
		6933164	G	P069850	1-DP2-CA195769-01	Cisse /Ibrahim I	12/01/15	06/30/16	0	117,277	0
		6933237	G	P402000	5-R01-CA184956-02	Manalis /Scott R	09/01/14	08/31/16	0	4,234	0
		6933328	G	P152000	5-R01-GM059426-20	Schrock /Richard Royce	02/01/16	01/31/20	271,409	1,036,867	124,500
		6933329	G	P152000	2-R01-GM059426-17	Schrock /Richard Royce	02/01/16	01/31/20	227,569	1,159,190	325,892
		6933378	G	P069201	5-R21-AI121613-02	Niles /Jacquin	10/03/15	12/31/18	32,975	429,000	0
		6933379	G	P151041	5-R01-HL127174-04	Krieger /Monty	01/01/16	11/30/19	461,073	1,949,981	450,323
		6933415	G	P400600	5-R01-EB020740-04	Ghosh /Satrajit S	01/15/16	11/30/19	692,462	2,678,253	763,234
		6933438	G	P069201	5-R01-CA206218-04	Weiss /Ron	01/12/16	11/30/19	465,099	1,062,530	(99,463)
		6933458	G	P069201	1-U01CA202177-01	So /Peter T. C.	09/22/15	08/31/16	0	36,729	(0)
		6933459	G	P069200	1-U01CA202177-01	Kamm /Roger Dale	09/22/15	08/31/16	0	303,009	0
		6933556	G	P151015	4-R01-AG011119-24	Guarente /Leonard Pershing	04/01/12	03/31/18	(84)	421,803	(0)
		6933568	G	P402012	5-R01-CA206157-24	Amon /Angelika B	11/14/15	01/31/20	228,567	1,148,024	188,422
		6933581	G	P402000	5-R01-EB016101-5	Langer /Robert S	03/01/16	02/28/19	109,150	573,881	327
		6933582	G	P402000	5-R01 EB 016101-5	Cima /Michael J	02/01/16	02/28/19	92,407	1,175,481	(0)
		6933584	G	P400600	5-R01 EB 016101-5	Graybiel /Ann M	03/01/16	02/28/19	161,966	1,102,850	(25,433)
		6933624	G	P402000	5-R01-CA168653-05	Vander Heiden /Matthew G.	03/01/16	12/12/18	80,824	447,923	0
		6933629	G	P069201	5-R01-CA207029-04	Weiss /Ron	03/01/16	02/29/20	255,216	1,302,547	129,080
		6933635	G	P061901	3-R33-AI100190-04S1	Gehrke /Lee	03/01/16	08/31/18	14	314,245	(0)
		6933669	G	P151037	5-R01-AI016892-38	Sauer /Robert T	04/01/16	03/31/18	(116)	944,565	(0)
		6933671	G	P402000	5-R01-CA096504-15 REVISE	Wittrup /Karl Dane	03/01/13	03/31/19	7,551	624,388	(1,915)
		6933673	G	P402000	5-R01-CA133404-10	Sharp /Phillip A	06/01/13	03/31/19	182,136	968,863	0
		6933693	G	P069201	1-R01-CA206218-01A1	Irvine /Darrell J	01/12/16	11/30/19	164,693	808,456	153,161

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		6933694	G	P069201	1-R01-CA206218-01A1	Lauffenburger /Douglas A	01/12/16	11/30/19	71,720	313,418	(0)
		6933714	G	P069200	1-R01-CA207029-01A1	Weiss /Ron	03/01/16	02/29/20	296,095	1,123,473	240,005
		6933723	G	P400600	3-R01-MH106497-02S1	Choi /Bohyun Gloria	03/01/16	09/30/16	0	67,536	0
		6933733	G	P402000	4-R01-CA096504-14	Wittrup /Karl Dane	03/01/13	03/31/19	80,515	280,863	1,442
		6933734	G	P069201	4-R01-CA096504-14	Lauffenburger /Douglas A	03/01/13	03/31/19	23,708	208,174	(0)
		6933735	G	P402010	4-R01-CA096504-14	White /Forest M	03/01/13	03/31/19	(34)	104,085	(0)
		6933790	G	P165000	5P30ES002109-39	Essigmann /John M	04/01/16	03/31/20	0	0	0
		6933794	G	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	221,425	(0)
		6933795	G	P165000	PENDING P30ES002109 Y	Vandiver /Kathleen	04/01/16	03/31/17	0	109,464	0
		6933796	G	P165000	PENDING P30ES002109 Y	Fox /James G	04/01/16	03/31/17	0	168,598	(0)
		6933797	G	P165000	PENDING P30ES002109 Y	Wishnok /John S	04/01/16	03/31/17	0	70,576	0
		6933798	G	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	156,566	(0)
		6933799	G	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	13,576	0
		6933813	G	P159300	4-R01-MH065252-15	Miller /Earl K	04/01/16	03/31/18	(58)	439,995	(0)
		6933829	G	P152000	5-R01-GM074825-13	Movassaghi /Mohammad	04/01/16	01/31/20	321,654	1,543,692	373,205
		6933844	G	P400600	1S10OD021569-01	Gabrieli /John D. E.	04/01/16	03/31/17	0	600,000	37,237
		6933859	G	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	62,988	0
		6933860	G	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	1,550	0
		6933861	G	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	0	0
		6933862	G	P165000	PENDING P30ES002109 Y	Kocar /Benjamin David	04/01/16	11/30/16	0	20,695	(0)
		6933870	G	P402000	4-R01-EB016101-04	Cima /Michael J	12/01/15	02/28/17	0	8,509	0
		6933871	G	P402000	5-R01-CA174795-05	Wittrup /Karl Dane	06/01/13	10/31/18	(5,923)	395,388	(0)
		6933892	G	P152000	4-R01-GM081393-08	Stubbe /JoAnne	10/01/12	06/30/19	228,754	797,974	(5,396)
		6933895	G	P165000	PENDING P30ES002109 Y	Essigmann /John M	04/01/16	03/31/17	0	90,634	0
		6933900	G	P152000	2-R01-GM074825-10A1	Movassaghi /Mohammad	04/01/16	01/31/20	5,177	58,651	17,606
		6933901	G	P402010	4-R01-CA174795-04	Irvine /Darrell J	05/01/16	10/31/18	(18,330)	397,490	0
		6933927	G	P165000	5-R01-ES022872-25	Samson /Leona D	03/12/13	12/31/18	5,456	671,009	0
		6933937	G	P400600	3-U01-MH108168-01S1	Whitfield-Gabrieli /Susan	04/06/16	06/30/16	0	46,923	0
		6933948	G	P151070	5-R01-GM105984-05	Martin /Adam C	05/01/16	12/31/18	49,762	606,715	(0)
		6933952	G	P402000	2-P30-CA014051-44	Birnbaum /Michael E	05/01/15	04/30/16	0	119,928	(0)
		6933962	G	P061901	5-R01-NS094178-03R	Poon /Chi-Sang	05/01/16	09/18/18	103,051	809,957	0
		6933988	G	P062000	4-R01-GM101420-04 REV1	Jensen /Klavs F	06/15/13	04/30/19	17,606	305,307	59,556
		6933989	G	P402012	5-R35-GM118066-03	Amon /Angelika B	05/01/16	04/30/20	466,041	1,473,127	441,526
		6934002	G	P039000	5-R00-DK102669-04 REV1	Esvelt /Kevin Michael	05/01/16	04/30/18	(972)	436,272	(0)
		6934009	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	310,170	(0)
		6934010	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	128,295	0
		6934013	G	P402000	5-P30-CA014051-45	Yilmaz /Omer	05/01/16	04/30/17	0	137,139	0
		6934014	G	P402000	5-P30-CA014051-45	Koehler /Angela Nicole	05/01/16	04/30/17	0	175,703	0
		6934015	G	P402000	5-P30-CA014051-45	Birnbaum /Michael E	05/01/16	04/30/17	0	105,344	0
		6934017	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	160,817	0
		6934021	G	P402000	5-P30-CA014051-45	Chen /Jianzhu	05/01/16	04/30/17	0	49,888	(0)
		6934023	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	300,287	0
		6934024	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	394,127	0
		6934025	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	319,501	(0)
		6934026	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	191,463	0
		6934027	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	196,211	0
		6934028	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	312,450	(0)

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		6934029	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	286,114	(0)
		6934030	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	159,538	0
		6934031	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	194,696	0
		6934040	G	P151037	5-R01-GM101988-41	Sauer /Robert T	05/01/16	04/30/20	325,522	1,775,378	653,758
		6934085	G	P151054	5-R01-HG002439-16	Burge /Christopher B	05/01/16	05/31/20	268,038	1,467,053	458,277
		6934094	G	P402000	R01 AI111860-03	Irvine /Darrell J	04/01/16	03/31/19	119,786	561,799	0
		6934112	G	P069201	5-T32-EB019940-02	Jasanoff /Alan Pradip	04/01/15	03/31/17	0	149,872	0
		6934150	G	P069201	5-P50-GM098792-05	Weiss /Ron	03/03/14	05/31/17	0	0	0
		6934153	G	P400600	5-R01-NS025529-28	Graybiel /Ann M	07/01/16	06/30/19	241,599	772,207	(216,749)
		6934164	G	P402000	5-R01-ES015339-10	Yaffe /Michael B	06/01/16	05/31/18	(5,557)	1,006,524	0
		6934175	G	P402012	5-U01-CA184897-03	Gertler /Frank	06/01/16	05/31/17	0	0	0
		6934176	G	P402012	5-U01-CA184897-03	Gertler /Frank	06/01/16	05/31/17	0	157,985	(0)
		6934177	G	P151054	5-U01-CA184897-03	Burge /Christopher B	06/01/16	05/31/17	0	181,079	0
		6934178	G	P402012	5-U01-CA184897-03	Gertler /Frank	06/01/16	05/31/17	0	314,730	0
		6934192	G	P400600	3-U01-MH106018-03S2	Wickersham /Ian R.	06/01/16	05/31/17	(0)	0	0
		6934217	G	P400600	5-U01-MH106018-03	Wickersham /Ian R.	06/01/16	05/31/18	(44,372)	749,065	(0)
		6934247	G	P165000	5T32ES007020-42-REVISE	Essigmann /John M	07/01/16	06/30/17	0	541,304	(0)
		6934252	G	P151000	5-T32-GM087237-08	Burge /Christopher B	07/01/16	06/30/17	0	259,935	0
		6934254	G	P069201	5-U01-CA184898-03	Fraenkel /Ernest	07/01/14	05/31/17	0	1,570	0
		6934259	G	P152000	5-R21-AI126465-02	Nolan /Elizabeth Marie	06/10/16	05/31/18	(3,085)	213,444	0
		6934263	G	P154500	4-R01-EY020517-06	Sinha /Pawan	11/03/10	08/31/18	(9,868)	842,868	0
		6934264	G	P069201	4-P50-GM098792-04	Weiss /Ron	03/03/14	05/31/17	0	189,043	(0)
		6934265	G	P069201	4-P50-GM098792-04	Weiss /Ron	03/03/14	05/31/17	0	133,101	(0)
		6934266	G	P069201	4-P50-GM098792-04	Weiss /Ron	03/03/14	05/31/17	0	278,776	(0)
		6934268	G	P069201	4-P50-GM098792-04	Lu /Timothy K	03/03/14	05/31/17	0	342,318	(0)
		6934269	G	P069201	4-P50-GM098792-04	Voigt /Christopher A.	03/03/14	05/31/17	0	246,042	0
		6934270	G	P069201	4-P50-GM098792-04	Niles /Jacquin	03/03/14	05/31/17	0	256,820	(0)
		6934272	G	P069201	4-P50-GM098792-04	Del Vecchio /Domitilla	03/03/14	05/31/17	0	256,300	0
		6934273	G	P069201	4-P50-GM098792-04	Prather /Kristala L	03/03/14	05/31/17	0	261,338	(0)
		6934316	G	P400600	4-R01-MH097104-05	Feng /Guoping	07/01/16	06/30/19	32,344	411,929	8,593
		6934323	G	P151039	4-T32-GM007287-42	Bell /Stephen P	07/01/16	06/30/17	0	1,760,474	(0)
		6934338	G	P267600	5-R01-CA178636-05	Fujimoto /James G	07/01/16	06/30/19	184,749	658,248	18,257
		6934339	G	P069201	5-U01-CA184898-03	Fraenkel /Ernest	07/01/14	05/31/17	0	333,794	0
		6934340	G	P069201	5-U01-CA184898-03	Fraenkel /Ernest	07/01/14	05/31/17	0	336,883	0
		6934341	G	P069201	5-U01-CA184898-03	Fraenkel /Ernest	07/01/14	05/31/17	0	188,520	0
		6934358	G	P152000	4-P41-EB015871-30	So /Peter T. C.	06/01/16	09/17/17	3,760	508,497	0
		6934375	G	P243021	4-R01-EB001965-13	Temkin /Richard J	07/01/16	06/30/18	(1,170)	194,548	0
		6934385	G	P402010	5-R37-EB000244-38	Langer /Robert S	06/23/13	08/06/18	28,021	564,245	(0)
		6934388	G	P062000	5-R01-DE024747-03	Hammond /Paula T	09/01/16	08/31/19	228,262	664,630	(42,413)
		6934392	G	P165000	5-R01-CA080024-21	Essigmann /John M	07/01/16	06/30/19	246,568	1,237,989	186,792
		6934393	G	P069201	5-UH3-TR000496-05	Griffith /Linda G	07/01/16	06/30/18	(518)	997,944	0
		6934394	G	P154500	4-T32-GM007484-40	DiCarlo /James	07/01/16	06/30/18	(7,973)	478,621	(0)
		6934400	G	P062000	5-R01-GM101420-03	Anderson /Daniel Griffith	06/15/13	04/30/19	0	16,999	(0)
		6934401	G	P062000	5-R01-GM101420-03	Jensen /Klavs F	06/15/13	04/30/19	0	188,554	0
		6934417	G	P159300	5-R37-NS051874-23	Tsai /Li-Huei	04/02/11	06/30/19	450,540	1,404,460	10,758
		6934482	G	P068800	5-T32-GM008334-28	Wittrup /Karl Dane	07/01/16	06/30/17	0	728,762	0
		6934521	G	P165000	5T32ES007020-42	Essigmann /John M	07/01/16	06/30/17	0	751	0
		6934522	G	P039070	5-DP1-NS087724-05	Boyden /Edward	09/30/13	07/31/18	33,701	1,524,440	0
		6934541	G	P151002	5-R01-GM077537-12	Schwartz /Thomas	05/04/16	07/31/19	463,847	1,106,918	(75,880)

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		6934544	G	P267600	4-R01-CA178636-04	Fujimoto /James G	07/01/16	06/30/19	25,550	276,374	144,335
		6934545	G	P400600	5-R01-DC009183-10	Fee /Michale Sean	07/01/16	06/30/18	(831)	441,234	18
		6934553	G	P267200	4-R01-DC000117-37	Braida /Louis D	09/01/16	08/31/18	9,241	329,365	0
		6934561	G	P243021	4-R01-EB001965-13	Temkin /Richard J	07/01/16	06/30/18	0	39,661	0
		6934597	G	P402000	5-R01-EB022433-04	Irvine /Darrell J	09/01/16	05/31/20	407,208	1,391,987	315,012
		6934601	G	P402000	1-U54-CA210180-01	White /Forest M	08/29/16	07/31/19	0	0	0
		6934602	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	55,831	0
		6934603	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	51,961	0
		6934604	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	64,494	0
		6934605	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	36,292	0
		6934606	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	52,539	0
		6934607	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	21,829	0
		6934608	G	P402000	1-U54-CA210180-01	Lauffenburger /Douglas A	08/01/16	07/31/17	0	86,321	(0)
		6934609	G	P402000	1-U54-CA210180-01	Wittrup /Karl Dane	08/01/16	07/31/17	0	75,039	(0)
		6934610	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	227,656	0
		6934611	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	100,951	0
		6934612	G	P402000	1-U54-CA210180-01	White /Forest M	08/29/16	07/31/17	0	96,898	0
		6934613	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	215,871	0
		6934615	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	57,101	0
		6934617	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	112,171	0
		6934618	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	197,743	(0)
		6934620	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	81,076	0
		6934622	G	P400600	5-R01-NS098505-02	Feng /Guoping	09/01/16	06/30/19	279,677	1,181,160	(236,254)
		6934639	G	P069201	4-R01-AR060331-05	Grodzinsky /Alan J	09/01/12	08/31/18	(172)	557,876	0
		6934640	G	P151020	4-R01-ES015818-09	Walker /Graham C	08/01/12	08/31/18	4,258	431,552	0
		6934649	G	P159300	4-R01-GM104948-05	Brown /Emery Neal	06/25/12	08/31/18	200,310	718,356	(0)
		6934659	G	P069201	5-UH3-TR000496-05S1	Griffith /Linda G	08/15/16	06/30/18	5,584	74,210	(0)
		6934664	G	P061901	5-R34-HL125859-02	Poon /Chi-Sang	06/01/17	11/30/18	170,632	239,243	0
		6934667	G	P402100	4-U01-CA164337-05	Erdman /Susan E	09/01/16	08/31/18	(693)	530,389	0
		6934706	G	P061901	5-U01-EB018813-02	Heldt /Thomas	08/01/16	07/31/18	(4,932)	503,723	0
		6934731	G	P165000	4R01EB017755-04 REVISE	Ribbeck /Katharina	09/01/16	04/30/19	151,079	386,074	(3)
		6934733	G	P400600	4-R01-EY023173-05	Boyden /Edward	09/01/16	08/31/18	88,513	1,053,844	0
		6934739	G	P154500	5-R01-DC014739-03	McDermott /Joshua Hartman	09/01/16	08/31/19	548,862	1,126,994	(99,327)
		6934745	G	P061902	5-T32-EB001680-13	Rosen /Bruce R	09/01/16	08/31/17	0	174,874	(0)
		6934762	G	P069201	1-U01CA202177-02	Kamm /Roger Dale	09/01/16	08/31/17	0	210,744	(0)
		6934763	G	P069200	1-U01CA202177-02	Kamm /Roger Dale	09/01/16	08/31/17	0	288,461	0
		6934764	G	P069201	1-U01CA202177-02	Kamm /Roger Dale	09/01/16	08/31/17	0	38,774	0
		6934787	G	P400600	5-DP1-HD091947-03	Kanwisher /Nancy	09/30/16	07/31/19	1,284,623	3,248,701	632,252
		6934799	G	P159300	1-RF1-AG054012-01	Tsai /Li-Huei	08/01/16	06/30/21	739,802	2,929,868	1,162,976
		6934819	G	P159300	5-U01-NS090438-03 REVISE	Nedivi /Elly	08/01/16	07/31/18	160,061	613,577	0
		6934830	G	P400600	5-R01-MH111503-03	Wickersham /Ian R.	09/09/16	05/31/20	1,021,920	2,963,167	212,056
		6934851	G	P067952	5-R01-HG008754-04	Gifford /David K	09/09/16	06/30/20	551,106	2,521,552	1,012,677
		6934852	G	P165000	4-R01-EB017755-04	Grodzinsky /Alan J	09/01/16	08/31/18	2,295	28,994	0
		6934867	G	P067952	1-RF1-AG054012-01	Kellis /Manolis	08/01/16	06/30/21	91,544	931,140	329,550
		6934872	G	P402000	3-P30-CA014051-45S1	Hynes /Richard O	09/13/16	04/30/17	0	79,793	0
		6934907	G	P061901	5-R01-GM049039-23	Edelman /Elazer R	09/15/16	06/30/19	879,953	1,898,802	(46,082)
		6934945	G	P151039	5-R01-GM052339-24	Bell /Stephen P	09/16/16	07/31/19	257,271	883,204	61,939
		6934955	G	P165000	1U24TR001951-01	Cirit /Murat	09/28/16	08/31/17	0	1,348,283	0
		6934956	G	P067952	5-R01-GM108348-06	Berger Leighton /Bonnie	06/21/16	08/31/19	438,652	1,067,816	(854)

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		6934970	G	P165000	PENDING P30ES002109 Y	Engelward /Bevin P	09/19/16	03/31/17	0	22,641	0
		6934983	G	P402000	1-U54-CA210180	White /Forest M	08/01/16	07/31/17	0	54,664	0
		6934984	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	7,738	0
		6934993	G	P152000	5-R21-AG054961-02 REVIS	Shoulders /Matthew D.	09/01/16	04/30/18	(728)	419,678	(0)
		6934998	G	P267500	5-R01-MH111872-03	Anikeeva /Polina Olegovna	07/01/16	06/30/19	578,269	1,240,639	37,064
		6935021	G	P400600	2-R01-EY014970-11A1	DiCarlo /James	09/30/16	09/29/18	3,564	390,718	0
		6935023	G	P061901	5 K99 GM118907-02	Yang /Jason Hung-Ying	09/20/16	08/31/19	20,445	177,929	1,924
		6935025	G	P165000	PENDING P30ES002109 Y	Selin /Noelle E	09/01/16	03/31/17	0	22,035	0
		6935029	G	P165000	PENDING P30ES002109 Y	Schlau-Cohen /Gabriela S	09/01/16	03/31/17	0	38,879	0
		6935044	G	P165000	1U24TR001951-01	Grodzinsky /Alan J	09/28/16	08/31/17	0	98,098	0
		6935046	G	P165000	1U24TR001951-01	Engelward /Bevin P	09/28/16	08/31/17	0	42,038	(0)
		6935047	G	P165000	1U24TR001951-01	Cirit /Murat	09/28/16	08/31/17	0	27,444	0
		6935134	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	3,867	0
		6935171	G	P061901	1DP2ES027992	Chung /Kwanghun	09/30/16	06/30/21	240,309	2,320,500	1,487,516
		6935181	G	P069201	1-U01CA202177-02	So /Peter T. C.	09/01/16	08/31/17	0	90,001	(0)
		6935220	G	P039070	1-R01-GM104948-01	Boyden /Edward	06/25/12	08/31/18	2,885	101,400	(0)
		6935221	G	P159300	1-R01-GM104948-01	Wilson /Matthew A	09/01/16	08/31/18	(9,068)	130,496	0
		6935242	G	P402000	5-R01-CA184956-03	Manalis /Scott R	06/03/14	06/30/17	0	37,150	0
		6935247	G	P267500	1-R01-MH111872-01	Anikeeva /Polina Olegovna	07/01/16	06/30/19	402,668	1,076,747	73,301
		6935248	G	P267500	1-R01-MH111872-01	Anikeeva /Polina Olegovna	07/01/16	06/30/19	115,359	213,954	(20,934)
		6935249	G	P159300	1-RF1-AG054321-01	Tsai /Li-Huei	09/01/16	05/31/21	1,034,007	4,028,422	1,658,344
		6935414	G	P060600	5-U01-EB018813-02	Sodini /Charles G	08/01/16	07/31/18	1,418	12,561	0
		6935535	G	P402000	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	62,783	(0)
		6935550	G	P267600	5-R01-EY011289-30	Fujimoto /James G	03/01/15	02/28/19	28,638	208,310	136,559
		6935557	G	P402000	5-R01-CA211184-03	Yilmaz /Omer	12/23/16	11/30/19	449,493	1,216,173	85,908
		6935568	G	P151072	5-R21-AI130776-02	Imperiali /Barbara	01/16/17	12/31/19	173,857	425,425	55,157
		6935631	G	P243021	5-R01-GM088204-09	Hong /Mei	02/01/17	01/31/20	324,785	1,090,298	278,193
		6935632	G	P152000	5R01GM114547-06	Radosevich /Alexander T.	07/01/16	02/29/20	176,396	809,899	159,427
		6935640	G	P267110	5-R21-EB022729-02 REVIS	Voldman /Joel	02/01/17	01/31/20	51,553	187,942	49,774
		6935733	G	P402000	5-R33-CA191143-02	Manalis /Scott R	12/01/16	04/30/17	0	6,239	0
		6935765	G	P267111	5-R01-DC000238-34	Freeman /Dennis M	11/03/16	11/30/19	393,508	1,046,067	162,672
		6935812	G	P440108	5-R21-TW010245-02	Fletcher /Richard R	09/23/16	08/31/19	124,716	345,786	192,132
		6935861	G	P069201	5-T32-EB019940-03 REVIS	Jasanoff /Alan Pradip	04/01/17	03/31/18	(5,169)	218,485	(0)
		6935872	G	P151072	5-R01-GM039334-31	Imperiali /Barbara	01/05/17	01/31/20	340,048	1,045,259	301,865
		6935964	G	P400600	1-R21-EY025863-02	DiCarlo /James	04/01/17	03/31/19	108,545	425,425	(23)
		6936013	G	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/17	03/31/20	0	531,577	531,577
		6936014	G	P165000	5-R01-MH112694-03	Bathe /Mark	04/01/17	02/29/20	370,833	928,200	206,770
		6936030	G	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	0	0
		6936032	G	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	17,071	0
		6936033	G	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	35,749	0
		6936035	G	P165000	5P30ES002109-37	Selin /Noelle E	04/01/17	12/31/17	0	16,961	0
		6936040	G	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	0	0
		6936041	G	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	(20,306)	245,836	0
		6936042	G	P165000	5P30ES002109-37	Vandiver /Kathleen	04/01/17	03/31/18	0	107,211	0
		6936043	G	P165000	5P30ES002109-37	Fox /James G	04/01/17	03/31/18	0	123,757	0
		6936044	G	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	114,253	0
		6936045	G	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	108,049	0
		6936046	G	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	23,040	0

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6936049	G	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	0	0
		6936052	G	P243021	5-R01-EB022062-03	Iwasa /Yukikazu	04/01/17	12/31/19	758,480	1,749,864	481,553
		6936058	G	P159300	5-R01-EY025437-03	Nedivi /Elly	08/01/16	02/29/20	6,280	193,572	104,253
		6936059	G	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/17	03/31/18	246,477	1,171,338	0
		6936065	G	P165000	1-R01-MH112694-01	Bathe /Mark	04/01/17	02/29/20	129,730	288,175	77,007
		6936070	G	P151009	5-R35-GM122538-03	Grossman /Alan Davis	04/01/17	03/31/20	628,123	1,713,806	559,661
		6936078	G	P151062	5-R01-GM082899-12	Laub /Michael T	04/01/17	03/31/20	335,237	1,007,322	263,149
		6936137	G	P402000	5-R33-CA191143-03	Manalis /Scott R	05/01/17	04/30/19	14,059	109,593	0
		6936215	G	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/17	03/31/18	0	69,966	0
		6936223	G	P165000	5P30ES002109-37	Engelward /Bevin P	04/01/17	03/31/18	0	55,359	0
		6936234	G	P069850	5-R01-GM102311-07	Gore /Jeff	04/01/17	03/31/20	375,302	888,976	3,888
		6936251	G	P152000	5R35GM122483-03	Buchwald /Stephen Leffler	06/01/17	05/31/20	1,009,438	3,103,813	1,161,094
		6936254	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	379,666	(0)
		6936255	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	118,680	0
		6936258	G	P402000	5-P30-CA014051-46	Yilmaz /Omer	05/01/17	04/30/18	0	124,661	0
		6936259	G	P402000	5-P30-CA014051-46	Birnbaum /Michael E	05/01/17	04/30/18	0	167,615	0
		6936260	G	P402000	5-P30-CA014051-46	Spranger-Zimmermann /Stefani	05/01/17	04/30/18	0	289,936	0
		6936262	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	232,727	(0)
		6936265	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	0	0
		6936266	G	P402000	5-P30-CA014051-46	Hemann /Michael	05/01/17	04/30/18	0	56,264	0
		6936267	G	P402000	5-P30-CA014051-46	Hammond /Paula T	05/01/17	04/30/18	0	87,665	(0)
		6936268	G	P402000	5-P30-CA014051-46	Hynes /Richard O	05/01/17	04/30/18	(166)	198,672	0
		6936269	G	P402000	5-P30-CA014051-46	White /Forest M	05/01/17	04/30/18	420	245,993	(0)
		6936270	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	294,955	(0)
		6936271	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	399,930	0
		6936272	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	314,141	0
		6936273	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	123,064	0
		6936274	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	198,843	0
		6936275	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	290,281	0
		6936276	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	338,196	(0)
		6936277	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	148,699	0
		6936278	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	0	168,820	(0)
		6936316	G	P152000	5-R01-AR071443-03	Shoulders /Matthew D.	04/11/17	05/31/20	142,241	1,021,020	137,830
		6936324	G	P069201	5U01CA215798-02	Lauffenburger /Douglas A	04/05/17	03/31/20	0	0	0
		6936325	G	P069201	1U01CA215798-01	Lauffenburger /Douglas A	04/05/17	03/31/18	0	25,171	(0)
		6936328	G	P069201	1U01CA215798-01	Lauffenburger /Douglas A	04/05/17	03/31/18	0	596,751	0
		6936412	G	P069201	5UH3TR000496-05 REVISE	Griffith /Linda G	07/01/16	06/30/18	5,972	43,282	0
		6936438	G	P151036	5-R01-GM024663-42	Horvitz /Howard Robert	06/01/17	05/31/20	325,126	1,273,040	549,949
		6936441	G	P402012	5-U01-CA184897-04	Gertler /Frank	06/01/17	05/31/18	0	0	0
		6936442	G	P402012	5-U01-CA184897-04	Gertler /Frank	06/01/17	05/31/18	1,927	196,582	(0)
		6936443	G	P151054	5-U01-CA184897-04	Burge /Christopher B	06/01/17	05/31/18	(11,617)	172,736	(0)
		6936444	G	P402012	5-U01-CA184897-04	Gertler /Frank	06/01/17	05/31/18	82,167	301,546	0
		6936448	G	P068800	2-T32-GM008334-29	Wittrup /Karl Dane	07/01/17	06/30/18	9,704	850,087	108,185
		6936449	G	P068800	2-T32-GM008334-29	Wittrup /Karl Dane	07/01/17	06/30/18	0	35,532	35,532
		6936470	G	P039070	5-R01-NS102727-03	Boyden /Edward	07/01/17	03/31/20	1,101,875	1,532,573	40,102
		6936475	G	P402000	5-P30-CA014051-46	White /Forest M	05/01/17	04/30/18	0	206,017	0
		6936476	G	P402000	5-P30-CA014051-46	White /Forest M	05/01/17	04/30/18	0	184,824	0

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		6936503	G	P243021	3-R01-GM088204-06S1	Hong /Mei	02/01/17	01/31/20	0	120,000	200
		6936507	G	P402000	5-U54-CA217377-03	Manalis /Scott R	06/07/17	04/30/20	0	1	1
		6936529	G	P151000	2-T32-GM087237-09	Burge /Christopher B	07/01/17	06/30/18	(4,809)	266,750	(0)
		6936530	G	P151000	2-T32-GM087237-09	Burge /Christopher B	07/01/17	06/30/18	0	0	0
		6936546	G	P165000	5UG3TR002186-02 REVISI	Grodzinsky /Alan J	08/03/17	02/29/20	0	0	0
		6936549	G	P165000	1-UG3-TR002186-01	Grodzinsky /Alan J	06/01/17	02/28/18	0	127,178	0
		6936550	G	P165000	1-UG3-TR002186-01	Cirit /Murat	06/01/17	02/28/18	0	36,691	(0)
		6936551	G	P165000	1-UG3-TR002186-01	Grodzinsky /Alan J	06/01/17	02/28/18	0	56,778	0
		6936553	G	P154500	3 T32 GM007484-40S1	DiCarlo /James	07/01/16	06/30/18	13,455	281,027	0
		6936556	G	P065005	5R03HD092676-02	Winter /Amos G	06/18/17	05/31/19	160,749	223,448	(19,658)
		6936561	G	P165000	5-T32-ES007020-43	Essigmann /John M	07/01/17	06/30/18	(3,315)	559,748	(0)
		6936562	G	P165000	5-T32-ES007020-43	Essigmann /John M	07/01/17	06/30/18	0	0	0
		6936592	G	P400600	5-R01-MH060379-18	Graybiel /Ann M	07/01/17	03/31/20	330,815	1,229,060	259,443
		6936598	G	P151054	5-R01-GM085319-10	Burge /Christopher B	05/01/17	07/31/19	236,300	656,744	145,965
		6936599	G	P402000	1-U54-CA217377-01	Manalis /Scott R	06/07/17	04/30/18	0	28,661	0
		6936600	G	P402000	1-U54-CA217377-01	Manalis /Scott R	06/07/17	04/30/18	0	0	0
		6936601	G	P402000	1-U54-CA217377-01	Manalis /Scott R	06/07/17	04/30/18	0	60,253	0
		6936602	G	P402000	1-U54-CA217377-01	Manalis /Scott R	06/07/17	04/30/18	130,628	685,610	0
		6936603	G	P402000	1-U54-CA217377-01	Lauffenburger /Douglas A	06/07/17	04/30/18	0	131,126	0
		6936605	G	P402000	1-U54-CA217377-01	Manalis /Scott R	06/07/17	04/30/18	0	0	0
		6936606	G	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	618,191	(0)
		6936607	G	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	2,876	317,867	0
		6936629	G	P061901	1DP2GM119419	Shalek /Alexander K	06/01/17	05/31/20	34,456	68,110	8,416
		6936630	G	P400600	5-U01-MH108168-03	Whitfield-Gabrieli /Susan	07/01/17	06/30/18	176,077	1,498,732	0
		6936631	G	P069201	5-U01CA202177-02	Kamm /Roger Dale	09/01/16	08/31/17	0	38,840	0
		6936635	G	P151012	5-R01-GM084477-11	Kim /Dennis H	04/01/17	06/30/19	387,208	818,418	2,596
		6936654	G	P151039	5-T32-GM007287-43	Bell /Stephen P	07/01/17	06/30/18	(40,177)	1,779,477	(0)
		6936655	G	P151039	5-T32-GM007287-43	Bell /Stephen P	07/01/17	06/30/18	0	0	0
		6936681	G	P066000	5-R21-NS102762-02	Van Vliet /Krystyn J	07/01/17	01/31/20	162,072	295,396	27,977
		6936689	G	P039070	5-R01-EB024261-03	Boyden /Edward	07/15/17	04/30/20	641,086	1,684,735	345,847
		6936702	G	P400600	5-U01-MH108168-03	Desimone /Robert	07/01/17	06/30/18	(6,922)	30,672	0
		6936721	G	P152000	7-R01-GM044783-25	Raines /Ronald T	07/01/17	06/30/18	(1,957)	410,704	0
		6936725	G	P154500	5-P30EY002621-40	DiCarlo /James	04/01/08	09/29/18	43,906	264,586	(0)
		6936726	G	P154500	5-P30EY002621-40	DiCarlo /James	04/01/08	09/29/18	82,498	188,556	0
		6936727	G	P154500	5-P30EY002621-40	DiCarlo /James	04/01/08	09/29/18	63,569	94,800	0
		6936741	G	P069201	5-R21-DA044748-02	Jasanoff /Alan Pradip	07/15/17	06/30/19	194,044	386,389	0
		6936754	G	P159300	5-K99-MH112855-02	Huda /Rafiq	08/01/17	07/31/19	123,241	256,810	27,647
		6936758	G	P402000	5-R00-CA204595-05	Spranger-Zimmermann /Stefani	07/12/17	06/30/20	326,972	747,000	144,455
		6936765	G	P243021	1-RF1-AG058504-01 REVIS	Griffin /Robert Guy	08/01/17	06/30/22	327,194	3,057,660	2,126,582
		6936780	G	P069201	5-P50-GM098792-05	Weiss /Ron	06/01/17	04/30/19	0	1	1
		6936781	G	P069201	5-P50-GM098792-05	Weiss /Ron	06/01/17	11/30/18	26,385	206,682	(0)
		6936782	G	P069201	5-P50-GM098792-05	Weiss /Ron	06/01/17	04/30/19	86,997	265,110	2,741
		6936783	G	P069201	5-P50-GM098792-05	Weiss /Ron	06/01/17	11/30/18	(7,891)	250,939	0
		6936784	G	P069201	5-P50-GM098792-05	Lu /Timothy K	06/01/17	11/30/18	13,578	251,185	(0)
		6936785	G	P069201	5-P50-GM098792-05	Voigt /Christopher A.	06/01/17	11/30/18	5,499	250,961	0
		6936786	G	P069201	5-P50-GM098792-05	Niles /Jacquin	06/01/17	11/30/18	124,448	250,962	(0)
		6936787	G	P069201	5-P50-GM098792-05	Del Vecchio /Domitilla	06/01/17	04/30/19	7,925	250,962	1,551

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		6936788	G	P069201	5-P50-GM098792-05	Prather /Kristala L	06/01/17	04/30/19	77,040	250,962	(0)
		6936829	G	P069201	5-U01-NS103470-03	Jasanoff /Alan Pradip	08/01/17	06/30/20	0	1,172	1,172
		6936830	G	P069201	1-U01-NS103470-01	Jasanoff /Alan Pradip	08/01/17	06/30/18	(96,754)	535,838	(0)
		6936853	G	P152000	5-R01-GM118695-02	Nolan /Elizabeth Marie	05/15/17	08/31/19	227,048	537,778	113,638
		6936881	G	P402000	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	(2,173)	58,212	0
		6936882	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	79,010	0
		6936883	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	66,683	174,231	194
		6936885	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	4,407	56,695	(0)
		6936886	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	78,895	78,895	0
		6936887	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	30,616	30,616	0
		6936888	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	52,949	52,949	0
		6936889	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	(702)	0	0
		6936890	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	95,507	95,507	0
		6936891	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	25,642	56,649	0
		6936892	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	7,382	7,382	0
		6936896	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	18,982	60,748	0
		6936897	G	P402010	5-U54-CA210180-02	Lauffenburger /Douglas A	08/01/17	07/31/18	(594)	28,738	0
		6936898	G	P402010	5-U54-CA210180-02	Wittrup /Karl Dane	08/01/17	07/31/18	(300)	97,272	(0)
		6936899	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	55,000	0
		6936900	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	9,219	9,219	0
		6936901	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	214,000	0
		6936902	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	576	87,500	0
		6936903	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	192,718	0
		6936904	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	8,878	8,878	0
		6936905	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	50,342	50,342	0
		6936906	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	114,075	114,075	0
		6936907	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	37,967	186,726	(0)
		6936908	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	15,786	138,157	0
		6936953	G	P159300	1-DP1-AT009925-02	Tye /Kay M.	09/30/17	03/15/19	255,300	309,117	(0)
		6936961	G	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	08/01/17	03/31/20	0	0	0
		6936962	G	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	0	0
		6936963	G	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	4,620	60,890	0
		6936965	G	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	463	0
		6936966	G	P165000	1-P42-ES027707-01	Vandiver /Kathleen	08/01/17	03/31/18	0	32,987	0
		6936967	G	P165000	1-P42-ES027707-01	Essigmann /John M	08/01/17	03/31/18	2,633	2,633	0
		6936968	G	P165000	1-P42-ES027707-01	Hemond /Harold F	08/01/17	03/31/18	0	0	0
		6936969	G	P165000	1-P42-ES027707-01	Hemond /Harold F	08/01/17	03/31/18	440	41,867	0
		6936970	G	P165000	1-P42-ES027707-01	Swager /Timothy M	08/01/17	03/31/18	0	59,050	(0)
		6936971	G	P165000	1-P42-ES027707-01	Kroll /Jesse	08/01/17	03/31/18	0	0	0
		6936972	G	P165000	1-P42-ES027707-01	Kroll /Jesse	08/01/17	03/31/18	0	10,092	0
		6936973	G	P165000	1-P42-ES027707-01	Selin /Noelle E	08/01/17	03/31/18	0	79,361	(0)
		6936974	G	P165000	1-P42-ES027707-01	Swager /Timothy M	08/01/17	03/31/18	0	19,010	(0)
		6936976	G	P165000	1-P42-ES027707-01	Essigmann /John M	08/01/17	03/31/18	(3,333)	63,978	0
		6936978	G	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	82,473	(0)
		6936980	G	P165000	1-P42-ES027707-01	White /Forest M	08/01/17	03/31/18	0	99,127	0
		6936982	G	P165000	5-U24-TR001951-02	Cirit /Murat	09/01/17	08/31/19	853,255	2,249,607	(2,113)
		6936983	G	P165000	5-U24-TR001951-02	Grodzinsky /Alan J	09/01/17	08/31/19	88,373	108,824	763
		6936985	G	P165000	5-U24-TR001951-02	Engelward /Bevin P	09/01/17	08/31/19	0	21,372	(0)
		6936986	G	P165000	5-U24-TR001951-02	Cirit /Murat	09/01/17	08/31/19	0	207,350	207,350

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		6936988	G	P402000	5-P01-CA042063-32	Jacks /Tyler E	08/01/17	07/31/19	0	0	0
		6936989	G	P402000	5-P01-CA042063-32	Jacks /Tyler E	08/01/17	07/31/19	320,637	622,738	133,880
		6936990	G	P402000	5-P01-CA042063-32	Jacks /Tyler E	08/01/17	07/31/19	488,829	859,484	(71,454)
		6936991	G	P402000	5-P01-CA042063-32	Sharp /Phillip A	08/01/17	07/31/19	354,212	734,909	128,375
		6936992	G	P402000	5-P01-CA042063-32	Lees /Jacqueline	08/01/17	07/31/19	317,432	710,977	123,775
		6937020	G	P065004	5-R01-EB024591-03	Del Vecchio /Domitilla	09/01/17	05/31/20	219,633	773,120	397,689
		6937029	G	P154500	5-R21-HD090346-02	Saxe /Rebecca R	08/21/17	07/31/20	164,263	437,250	121,840
		6937048	G	P154000	5-R01-GM081871-11	Berger Leighton /Bonnie	06/01/17	05/31/20	296,001	1,123,455	356,551
		6937063	G	P039070	5-R01-MH114031-02	Boyden /Edward	08/25/17	06/30/19	820,426	1,094,280	(55,653)
		6937067	G	P069201	T32-EB019940-03	Jasanoff /Alan Pradip	04/01/17	03/31/18	0	0	0
		6937071	G	P152000	5-R01-AI055258-15	Kiessling /Laura L	07/01/17	04/30/20	359,515	1,405,894	438,876
		6937072	G	P152000	5-R01-AI126592-04	Kiessling /Laura L	07/01/17	01/31/20	440,618	1,388,621	488,597
		6937090	G	P402000	1R35ES028374-02	Yaffe /Michael B	09/01/17	07/31/19	710,603	742,872	(172,695)
		6937105	G	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	398	14,232	0
		6937110	G	P039070	5-R01-DA045549-02	Boyden /Edward	09/01/17	07/31/19	1,125,789	867,800	(468,034)
		6937113	G	P151073	5-R35-GM124732-02	Li /Gene-Wei	09/01/17	08/31/19	440,834	667,838	12,119
		6937117	G	P039000	1DP2AI136597-01	Esvelt /Kevin Michael	09/01/17	06/30/22	362,735	2,386,239	1,714,444
		6937120	G	P159300	5-R01-MH115592-03	Miller /Earl K	09/08/17	05/31/20	464,397	1,180,251	448,983
		6937131	G	P159300	5-R01-NS102730-03	Tsai /Li-Huei	09/15/17	06/30/20	481,852	1,284,620	356,282
		6937139	G	P069200	5-U01CA202177-03	Kamm /Roger Dale	09/01/17	08/31/18	18,165	195,921	(0)
		6937143	G	P165000	5P30ES002109-37	Sikes Johnson /Hadley	08/01/17	03/31/18	0	22,501	0
		6937144	G	P165000	5P30ES002109-37	Kulik /Heather Janine	08/01/17	03/31/18	0	14,033	0
		6937145	G	P165000	5P30ES002109-37	Shoulders /Matthew D.	08/01/17	03/31/18	0	4,706	0
		6937151	G	P159300	5-R01-EY023037-06	Bear /Mark	07/02/17	07/31/19	450,084	971,923	58,823
		6937161	G	P062000	5-R01-DE024747-02	Hammond /Paula T	09/01/16	08/31/19	226,114	357,623	111,344
		6937163	G	P267300	1-R21-EB022729-01A1	Fink /Yoel	02/01/17	01/31/20	82,022	187,942	582
		6937172	G	P418103	5-R00-GM115765-04	Lamason /Rebecca	09/01/17	08/31/19	286,706	501,785	35,998
		6937177	G	P159300	5-R01-MH115037-03	Choi /Bohyun Gloria	09/12/17	06/30/20	652,533	1,516,063	400,149
		6937186	G	P152000	5-R01-CA220468-02	Johnson /Jeremiah A.	09/13/17	08/31/19	291,038	660,472	1,344
		6937187	G	P039070	5-R01-EB024531-03	Herr /Hugh M	07/01/17	05/31/20	351,184	1,185,820	323,241
		6937194	G	P061902	5-T32-EB001680-13	Rosen /Bruce R	09/30/10	08/31/18	25,627	181,347	(0)
		6937195	G	P061902	5-T32-EB001680-13	Rosen /Bruce R	09/30/10	08/31/18	0	0	0
		6937196	G	P151045	5-R01-DK115558-02	Baker /Tania	09/01/17	06/30/19	183,951	865,034	485,454
		6937209	G	P069201	5-U01-CA184898-04	Fraenkel /Ernest	06/01/17	05/31/18	443	352,364	0
		6937210	G	P152000	5-R01-GM126376-02	Nolan /Elizabeth Marie	09/01/17	08/31/19	204,167	304,765	28,257
		6937211	G	P069201	5-U01-CA184898-04	Fraenkel /Ernest	06/01/17	05/31/18	80,030	338,948	0
		6937240	G	P400600	5-U01-MH114819-03	Feng /Guoping	09/20/17	05/31/20	0	5,841	5,841
		6937249	G	P402010	5-U54-CA210180-02 REV	White /Forest M	08/01/17	10/15/18	77,431	77,431	0
		6937250	G	P165000	5-R35-ES028303-03	Walker /Graham C	09/15/17	05/31/20	537,981	1,633,803	727,512
		6937261	G	P152000	7-R01-AR044276-22 REVISE	Raines /Ronald T	07/01/17	11/30/19	207,594	467,854	(16,317)
		6937262	G	P152000	5R01CA073808-22 REVISE	Raines /Ronald T	07/01/17	11/30/19	200,442	638,637	(2,677)
		6937269	G	P159300	5-R21-NS105070-02	Nedivi /Elly	09/30/17	08/31/19	169,492	437,250	102,859
		6937277	G	P418102	5-R00-AG050749-05	Davis /Joseph Harry	09/01/17	05/31/20	138,537	745,128	385,234
		6937284	G	P400600	1-U01-MH114819-01	Feng /Guoping	09/20/17	06/30/18	159,633	1,259,324	289,997
		6937290	G	P159300	5-R01-NS104892-03	Flavell /Steven Willem	06/25/17	06/30/20	530,018	1,160,250	380,773
		6937294	G	P069201	5-U01-CA214381-02 REVISE	Kamm /Roger Dale	09/30/17	08/31/19	0	0	0
		6937297	G	P152000	5-P41-EB015871-32	So /Peter T. C.	06/18/17	08/31/19	286,503	637,225	73,966
		6937298	G	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/19	8,764	6,360	(2,404)
		6937313	G	P069201	5-U01CA202177-03	Kamm /Roger Dale	09/01/17	08/31/18	28,886	99,817	0

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		6937314	G	P069201	5-U01CA202177-03	So /Peter T. C.	09/01/17	08/31/18	(4,972)	64,463	0
		6937315	G	P069201	5-U01CA202177-03	Kamm /Roger Dale	09/01/17	08/31/18	0	0	0
		6937316	G	P069201	5-U01CA202177-03	Kamm /Roger Dale	09/01/17	08/31/18	111,077	308,671	0
		6937318	G	P069200	3-U01CA202177-03S1	Coughlin /Mark Frederick	09/01/17	08/31/18	41,007	199,247	0
		6937355	G	P069201	1-R01-CA220468-01	Jasanoff /Alan Pradip	09/13/17	08/31/19	46,760	64,144	(71)
		6937356	G	P152000	1-R01-CA220468-01	Johnson /Jeremiah A.	09/13/17	08/31/19	57,038	141,444	72,848
		6937357	G	P152000	1-R01-CA220468-01	Johnson /Jeremiah A.	09/13/17	08/31/19	144,579	182,410	37,831
		6937359	G	P152000	5-R21-AI126465-02	Nolan /Elizabeth Marie	08/01/17	05/31/18	10,991	109,519	0
		6937372	G	P400600	1-R01-MH115037-01	Harnett /Mark Thomas	09/12/17	06/30/19	29,823	54,145	(1,733)
		6937437	G	P152000	5-R01-GM126376-02	Nolan /Elizabeth Marie	09/01/17	08/31/19	76,606	243,814	140,207
		6937525	G	P061901	1-R01-EB024591-01	Collins /James J.	09/01/17	05/31/20	302,241	546,700	166,896
		6937526	G	P069200	1-R01-EB024591-01	Weiss /Ron	09/01/17	05/31/20	222,234	546,700	152,083
		6937590	G	P400600	1-U01-MH114819-01	Boyden /Edward	09/20/17	06/30/18	659	55,564	0
		6937609	G	P152000	1DP2GM128200-01	Schlau-Cohen /Gabriela S	09/01/17	05/31/22	142,244	2,385,000	2,082,816
		6937671	G	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/19	109,264	210,850	382
		6937672	G	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/19	56,827	180,850	3,250
		6937673	G	P152000	2-P41-EB015871-31	Schlau-Cohen /Gabriela S	06/18/17	08/31/19	90,302	180,850	1,115
		6937674	G	P152000	2-P41-EB015871-31	Bawendi /Moungi G	06/18/17	08/31/19	104,494	180,850	(19,462)
		6937675	G	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/19	69,317	180,850	22,085
		6937676	G	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/19	116,048	297,096	90,278
		6937677	G	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	05/31/19	179,981	327,688	102,234
		6937704	G	P165000	5-U24-TR001951-02	Cirit /Murat	09/01/17	08/31/19	350,952	753,525	75,130
		6937753	G	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	25,911	0
		6937776	G	P165000	5-U24-TR001951-02	Cirit /Murat	09/01/17	08/31/19	367,633	423,848	30,761
		6937852	G	P151070	5-R01GM125646-02	Martin /Adam C	01/01/18	12/31/19	373,789	625,967	206,166
		6937885	G	P069201	5-T32-EB019940-04	Jasanoff /Alan Pradip	04/01/18	03/31/19	176,816	230,080	24,529
		6937921	G	P151037	5-R01-AI016892-40	Sauer /Robert T	04/01/18	03/31/20	474,888	1,190,225	603,105
		6937926	G	P402012	5-U01-CA184897-04	Gertler /Frank	06/01/17	05/31/18	0	30,045	0
		6937932	G	P267600	5-R33-AI121669-04	Lu /Timothy K	12/01/17	11/30/19	211,256	1,051,744	833,020
		6937943	G	P069201	5-K00-CA212227-04	Shelton /Sarah E	01/01/18	01/31/20	61,210	165,704	74,550
		6937972	G	P159300	3-R01-EY028219-02S1	Sur /Mriganka	02/01/18	03/31/20	680,839	1,330,364	587,189
		6937975	G	P151065	5-R01-HL140471-02	Boyer /Laurie Ann	09/01/17	01/31/20	650,328	1,201,177	259,255
		6937977	G	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/30/17	08/31/18	89,703	233,494	(0)
		6937978	G	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/30/17	08/31/18	276,994	305,256	0
		6938039	G	P165000	5UG3TR002186-02 REVISE	Grodzinsky /Alan J	03/01/18	02/28/19	0	166,034	166,034
		6938040	G	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	191,117	290,894	0
		6938041	G	P165000	5-UG3-TR002186-02	Cirit /Murat	03/01/18	02/28/19	88,976	136,953	0
		6938042	G	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	75,747	84,501	8,754
		6938050	G	P243021	5-R01-GM066976-15	Hong /Mei	02/01/18	01/31/20	274,202	566,988	178,345
		6938052	G	P065005	1-R01-DA045549-01	So /Peter T. C.	09/01/17	07/31/19	180,113	343,278	27,966
		6938053	G	P154500	5-R01-NS098505-03	Halassa /Michael	09/01/17	06/30/19	367,141	728,864	19,609
		6938057	G	P400600	1-R01-MH114031-01	Desimone /Robert	08/25/17	06/30/19	324,754	355,809	(112,905)
		6938072	G	P402000	5R33CA223904-02	Cima /Michael J	02/05/18	01/31/20	152,531	376,226	206,298
		6938094	G	P159300	5-K99-AG055697-03 REVISE	Narayan /Priyanka	07/01/17	06/30/20	100,604	230,256	40,987
		6938106	G	P243021	5-R01-EB022062-02	Iwasa /Yukikazu	04/01/17	12/31/19	62,263	204,876	139,415
		6938136	G	P159300	3-R01-EY023037-05S1	Bear /Mark	07/02/17	07/31/19	20,164	102,650	3,258
		6938147	G	P402000	1K99CA218679-01A1 REVISE	Sullivan /Lucas Bryan	03/01/18	11/30/18	67,066	101,223	0
		6938157	G	P039070	1-R01-EB024531-01	Herr /Hugh M	07/01/17	05/31/20	42,236	75,585	0

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		6938169	G	P400600	5-R01-NS106031-02	Harnett /Mark Thomas	04/01/18	03/31/20	320,302	695,626	333,643
		6938188	G	P402000	1R33CA223904-01	Cima /Michael J	02/05/18	01/31/20	269,867	441,424	171,557
		6938210	G	P243021	2R01GM066976-14A1	Hong /Mei	02/01/18	01/31/20	0	99,000	90,933
		6938217	G	P243021	2R01GM066976-14A1	Hong /Mei	02/01/18	01/31/20	8,776	16,800	8,024
		6938228	G	P159300	1K08MH116135-02	Kimchi /Eyal Yaacov	03/01/18	02/28/20	182,833	394,200	163,415
		6938230	G	P067952	5-R01-CA218094-02	Gifford /David K	03/09/18	02/29/20	296,913	1,164,526	865,350
		6938243	G	P039070	1-R01-DA045549-01	Boyden /Edward	03/01/18	07/31/19	435,115	539,489	104,374
		6938244	G	P159300	4DP2DK102256-02	Tye /Kay M.	04/01/18	08/31/19	361,398	477,000	115,602
		6938250	G	P067952	7R01HG008155-04	Kellis /Manolis	11/01/17	07/31/19	455,773	811,311	281,435
		6938256	G	P039070	1-R01-DA045549-01	Boyden /Edward	01/08/18	07/31/19	0	46,992	46,992
		6938282	G	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	0	0
		6938283	G	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	976	22,145	21,169
		6938284	G	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	7,076	90,650	83,574
		6938285	G	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	39,005	39,005
		6938286	G	P165000	5P30ES002109-38	Kulik /Heather Janine	04/01/18	12/31/18	8,585	24,966	0
		6938287	G	P165000	5P30ES002109-38	Shoulders /Matthew D.	04/01/18	12/31/18	30,943	34,294	(0)
		6938288	G	P165000	5P30ES002109-38	Sikes Johnson /Hadley	04/01/18	12/31/18	639	16,500	(0)
		6938290	G	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	191,711	232,896	(43,712)
		6938291	G	P165000	5P30ES002109-38	Vandiver /Kathleen	04/01/18	03/31/19	76,960	124,543	25,307
		6938292	G	P165000	5P30ES002109-38	Fox /James G	04/01/18	03/31/19	135,197	144,262	(34,252)
		6938293	G	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	82,064	174,722	77,831
		6938294	G	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	61,328	151,464	72,370
		6938295	G	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	11,911	24,947	8,900
		6938298	G	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	0	39,000	39,000
		6938312	G	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/18	03/31/19	0	0	0
		6938313	G	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	51,910	72,087	6,826
		6938316	G	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	8,015	20,800	12,785
		6938317	G	P165000	5 P42 ES027707-02	Vandiver /Kathleen	04/01/18	03/31/19	34,638	52,828	6,973
		6938318	G	P165000	5 P42 ES027707-02	Essigmann /John M	04/01/18	03/31/19	0	14,030	14,030
		6938320	G	P165000	5 P42 ES027707-02	Hemond /Harold F	04/01/18	03/31/19	60,637	124,083	38,164
		6938321	G	P165000	5 P42 ES027707-02	Swager /Timothy M	04/01/18	03/31/19	27,403	75,838	(0)
		6938323	G	P165000	5 P42 ES027707-02	Kroll /Jesse	04/01/18	03/31/19	89,751	117,811	10,907
		6938324	G	P165000	5 P42 ES027707-02	Selin /Noelle E	04/01/18	03/31/19	42,494	113,521	43,895
		6938325	G	P165000	5 P42 ES027707-02	Swager /Timothy M	04/01/18	03/31/19	39,437	66,033	(0)
		6938326	G	P165000	5 P42 ES027707-02	Essigmann /John M	04/01/18	03/31/19	147,853	265,514	95,385
		6938328	G	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	92,680	201,928	85,264
		6938330	G	P165000	5 P42 ES027707-02	White /Forest M	04/01/18	03/31/19	164,154	164,293	(27)
		6938389	G	P069201	5U01CA215798-02	Lauffenburger /Douglas A	04/01/18	03/31/19	123,271	126,925	1,875
		6938411	G	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/18	03/31/19	1,476,357	1,435,252	(147,092)
		6938412	G	P061901	1-U19-AI131135-01	Gehrke /Lee	04/01/18	03/31/19	34,441	270,889	197,266
		6938433	G	P069201	5-U01-CA215798-02	Lauffenburger /Douglas A	04/01/18	03/31/19	491,938	557,839	1,233
		6938459	G	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	(13,995)	0	0
		6938460	G	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	230,049	230,049	0
		6938461	G	P165000	5-UG3-TR002186-02	Cirit /Murat	03/01/18	02/28/19	158,862	158,862	(0)
		6938462	G	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	0	0	0

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		6938475	G	P402000	5-R01-GM034277-34	Sharp /Phillip A	06/01/18	05/31/20	542,862	1,150,393	600,934
		6938487	G	P243021	1S10OD023513-01A1	Griffin /Robert Guy	03/15/18	03/14/20	600,000	1,000,000	400,000
		6938490	G	P039070	1 K99 GM126277-02	Sarkar /Deblina	04/01/18	03/31/20	139,299	176,421	34,762
		6938494	G	P402000	1-K99-CA226396-01	Creixell Morera /Pau	09/01/18	08/31/20	112,449	132,927	20,478
		6938534	G	P154500	5-R01-MH107680-05	Halassa /Michael	02/01/18	04/30/20	232,001	1,030,470	636,872
		6938566	G	P402000	2-P30-CA014051-47	Jacks /Tyler E	05/01/18	04/30/19	285,806	396,960	20,669
		6938567	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	114,229	117,312	3,083
		6938569	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	18,581	18,581
		6938570	G	P402000	2-P30-CA014051	Yilmaz /Omer	05/01/18	04/30/19	601	7,505	0
		6938571	G	P402000	2-P30-CA014051	Birnbaum /Michael E	05/01/18	04/30/19	222,079	306,712	47,609
		6938572	G	P402000	2-P30-CA014051	Spranger-Zimmermann /Stefani	05/01/18	04/30/19	184,776	311,322	116,945
		6938574	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	237,589	346,557	49,754
		6938579	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	0	90,677	90,677
		6938580	G	P402000	2-P30-CA014051	Hemann /Michael	05/01/18	04/30/19	60,317	60,317	(0)
		6938581	G	P402000	2-P30-CA014051	Hammond /Paula T	05/01/18	04/30/19	17,525	29,334	0
		6938582	G	P402000	2-P30-CA014051	Manalis /Scott R	05/01/18	04/30/19	54,225	54,225	0
		6938583	G	P402000	2-P30-CA014051	Birnbaum /Michael E	05/01/18	04/30/19	82,325	117,000	34,675
		6938584	G	P402000	2-P30-CA014051	Hynes /Richard O	05/01/18	04/30/19	78,154	116,676	(248)
		6938585	G	P402000	2-P30-CA014051	White /Forest M	05/01/18	04/30/19	2,161	2,258	97
		6938586	G	P402000	2-P30-CA014051	White /Forest M	05/01/18	04/30/19	28,749	28,749	0
		6938587	G	P402000	2-P30-CA014051	White /Forest M	05/01/18	04/30/19	78,851	78,851	0
		6938588	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	230,434	270,384	4,355
		6938589	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	329,862	404,093	7,339
		6938590	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	258,610	320,129	7,759
		6938591	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	117,756	143,070	4,020
		6938592	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	172,080	208,663	4,904
		6938593	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	239,527	282,025	2,665
		6938594	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	241,469	287,617	(4,224)
		6938595	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	148,417	175,049	262
		6938596	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	146,636	174,335	425
		6938599	G	P069201	1-U01-NS103470-01	Jasanoff /Alan Pradip	04/01/18	06/30/19	527,801	507,010	(20,791)
		6938600	G	P069201	5-U01-CA184898-05	Fraenkel /Ernest	06/01/18	05/31/19	200,913	300,575	97,498
		6938601	G	P069201	5-U01-CA184898-05	Fraenkel /Ernest	06/01/18	05/31/19	275,006	338,949	63,943
		6938602	G	P400600	1-R01-MH111916-01A1	Desimone /Robert	05/08/18	02/29/20	65,058	340,305	275,247
		6938614	G	P159300	5-K99-DA045103-02	Siciliano /Cody A	05/15/18	04/30/20	191,033	365,580	158,004
		6938622	G	P400600	5-R01-DC016607-02	Fedorenko /Evelina G	05/21/18	04/30/20	520,678	874,720	353,923
		6938623	G	P066000	1-R21-NS102762-01	Van Vliet /Krystyn J	07/01/17	06/30/19	54,750	89,750	35,000
		6938689	G	P067952	5-R01-MH109978-04	Kellis /Manolis	12/01/17	02/29/20	775,938	1,078,843	289,010
		6938698	G	P151074	5-R35-GM126982-02	Drennan /Catherine L	05/01/18	04/30/20	229,772	583,942	333,319
		6938715	G	P402000	5-U54-CA217377-02 REVISE	Manalis /Scott R	05/01/18	04/30/19	96,822	103,902	520
		6938716	G	P402000	5-U54-CA217377-02	Koehler /Angela Nicole	05/01/18	04/30/19	66,136	66,102	(34)
		6938717	G	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	184,883	168,686	(30,940)
		6938718	G	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	149,302	145,250	(4,052)
		6938719	G	P402000	5-U54-CA217377-02	Lauffenburger /Douglas A	05/01/18	04/30/19	188,514	246,428	18,987
		6938720	G	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	37,279	43,575	6,296
		6938722	G	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	430,203	532,811	7,811
		6938723	G	P402000	5-U54-CA217377-02	Manalis /Scott R	02/01/18	04/30/19	232,797	313,764	44,686

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		6938725	G	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	19,874	0	(19,874)
		6938728	G	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	203,300	210,405	7,105
		6938729	G	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	0	0	0
		6938730	G	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	19,725	0	(19,725)
		6938733	G	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	201,514	210,405	8,891
		6938737	G	P067900	1-R01-MH111916-01A1	Fisher /John W	05/08/18	02/29/20	356,569	424,614	68,045
		6938752	G	P152000	5-R01-GM044783-27	Raines /Ronald T	07/01/18	06/30/20	530,001	895,982	365,981
		6938756	G	P039070	5-R01-NS102727-02	Boyden /Edward	05/01/18	08/31/19	78,856	100,000	21,144
		6938768	G	P402012	5-U01-CA184897-05	Gertler /Frank	06/01/18	05/31/20	163,487	196,605	4,152
		6938769	G	P151054	5-U01-CA184897-05	Burge /Christopher B	06/01/18	05/31/20	81,089	159,120	78,031
		6938770	G	P402012	5-U01-CA184897-05	Gertler /Frank	06/01/18	05/31/20	240,313	302,250	61,937
		6938782	G	P402000	5-R01-EB025854-02	Irvine /Darrell J	06/15/18	03/31/20	434,102	561,236	127,134
		6938784	G	P068800	2-T32-GM008334-30	Wittrup /Karl Dane	07/01/18	06/30/20	580,682	481,930	(98,752)
		6938811	G	P151000	5-T32-GM087237-10	Burge /Christopher B	07/01/18	06/30/19	269,642	271,104	1,462
		6938812	G	P151000	5-T32-GM087237-10	Burge /Christopher B	07/01/18	06/30/19	0	11,676	11,676
		6938829	G	P165000	5P30ES002109-38	Belcher /Angela M	06/01/18	03/31/19	25,628	39,000	13,372
		6938830	G	P165000	5P30ES002109-38	Kocar /Benjamin David	06/01/18	03/31/19	16,437	39,000	22,563
		6938831	G	P165000	5P30ES002109-38	Kroll /Jesse	06/01/18	03/31/19	17,669	39,000	21,331
		6938832	G	P165000	5P30ES002109-38	Ortony /Julia H	06/01/18	03/31/19	38,996	38,996	(0)
		6938833	G	P165000	5P30ES002109-38	Boyer /Laurie Ann	06/01/18	03/31/19	38,999	39,000	1
		6938834	G	P067952	5-R01-AG058002-03	Kellis /Manolis	03/15/18	05/31/20	769,071	3,928,975	3,159,904
		6938860	G	P151039	5-T32-GM007287-44	Bell /Stephen P	07/01/18	06/30/19	1,798,655	1,807,360	8,705
		6938861	G	P151039	5-T32-GM007287-44	Bell /Stephen P	07/01/18	06/30/19	0	77,837	77,837
		6938867	G	P165000	5-T32-ES007020-44	Essigmann /John M	07/01/18	06/30/19	310,859	763,269	452,410
		6938875	G	P243021	5-R21-GM129688-02	Park /Dongkeun	07/01/18	06/30/20	124,703	300,491	175,788
		6938877	G	P069201	1-R01-EB025854-01	Weiss /Ron	06/15/18	03/31/20	289,357	459,511	170,154
		6938903	G	P159300	1-R01-MH115920-01	Tye /Kay M.	06/26/18	03/31/19	266,017	417,739	151,722
		6938904	G	P243021	5-R01-EB001965-15	Temkin /Richard J	07/01/18	04/30/20	537,153	1,263,727	726,574
		6938927	G	P400600	1-U01-MH114819-01	Feng /Guoping	07/01/18	05/31/19	1,275,051	1,244,574	(30,477)
		6938945	G	P400600	5-U01-MH108168-03	Desimone /Robert	07/01/18	06/30/19	20,544	34,317	13,772
		6938946	G	P400600	5-U01-MH108168-04	Whitfield-Gabrieli /Susan	07/01/18	06/30/20	784,944	929,150	144,207
		6938952	G	P400600	1-U01-MH114819-01	Boyden /Edward	07/01/18	05/31/19	185,501	178,595	(6,906)
		6938954	G	P402000	5-R33-CA191143-03REVIS	Manalis /Scott R	05/01/18	04/30/19	20,349	24,470	4,121
		6938983	G	P159300	7-R01-AG058002-02	Tsai /Li-Huei	03/15/18	05/31/20	582,116	850,850	268,734
		6938984	G	P165000	5-T32-ES007020-44	Essigmann /John M	07/01/18	06/30/19	0	37,919	37,919
		6939014	G	P069201	5-R01-EB025256-02	Weiss /Ron	07/17/18	03/31/20	591,297	758,418	167,121
		6939048	G	P267500	3 R01-MH111872-02S1	Anikeeva /Polina Olegovna	03/20/18	06/30/19	50,603	53,869	3,266
		6939049	G	P267500	3 R01-MH111872-02S1	Anikeeva /Polina Olegovna	03/20/18	06/30/19	10,765	86,191	75,426
		6939103	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	64,218	64,808	590
		6939104	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	68,774	79,000	10,226
		6939105	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	89,363	89,363
		6939106	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	6,567	35,315	28,748
		6939107	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	783	23,205	22,422
		6939108	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	36,531	36,531
		6939109	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	35,315	35,315
		6939110	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	27,401	27,401
		6939111	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	0	0
		6939113	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	47,069	47,069
		6939114	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	90,060	127,957	37,897

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		6939115	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	2,832	2,832
		6939117	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	41,776	72,426	30,650
		6939118	G	P402000	5-U54-CA210180-03	Lauffenburger /Douglas A	08/01/18	07/31/19	121,165	150,876	29,711
		6939119	G	P402000	5-U54-CA210180-03	Wittrup /Karl Dane	08/01/18	07/31/19	77,585	87,178	9,593
		6939120	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	48,761	55,000	6,239
		6939121	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	18,093	65,207	47,114
		6939122	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	149,636	214,000	64,364
		6939123	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	87,500	87,500
		6939124	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	151,121	181,065	29,944
		6939125	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	11,721	51,686	39,965
		6939126	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	69,767	100,354	30,587
		6939127	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	83,015	246,341	163,326
		6939128	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	228,648	293,226	64,578
		6939129	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	96,435	175,459	79,024
		6939145	G	P400600	1-K99-NS107639-01	Schwerdt /Helen N	08/01/18	07/31/19	70,615	93,528	22,913
		6939168	G	P402000	5-R01-EB000244-40	Langer /Robert S	08/07/18	04/30/20	973,839	1,698,732	724,893
		6939193	G	P243021	1-RF1-AG059661-01 REVISE	Hong /Mei	07/01/18	06/30/23	175,266	1,803,825	1,628,559
		6939211	G	P165000	1-R21-EB026008-01	Bathe /Mark	08/15/18	06/30/19	261,240	232,500	(28,740)
		6939254	G	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	28,541	31,816	3,275
		6939270	G	P243021	2-R01-EB001965-14	Temkin /Richard J	07/01/18	07/31/19	125,924	24,000	(101,924)
		6939295	G	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	175,042	200,876	25,834
		6939296	G	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	80,980	143,632	62,652
		6939297	G	P069201	5-U01CA202177-04	So /Peter T. C.	09/01/18	08/31/19	88,694	90,000	1,306
		6939298	G	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	0	38,844	38,844
		6939299	G	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	165,346	305,249	139,903
		6939302	G	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/18	03/31/19	8,200	8,197	(3)
		6939303	G	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/18	03/31/19	4,178	4,177	(1)
		6939304	G	P165000	5P42ES027707-02 REVISE	Vandiver /Kathleen	04/01/18	03/31/19	13,632	13,639	7
		6939305	G	P165000	5P42ES027707-02 REVISE	Essigmann /John M	04/01/18	03/31/19	0	11,019	11,019
		6939307	G	P165000	5P42ES027707-02 REVISE	Hemond /Harold F	04/01/18	03/31/19	58,173	58,065	(108)
		6939308	G	P165000	5P42ES027707-02 REVISE	Swager /Timothy M	04/01/18	03/31/19	14,736	14,736	(0)
		6939309	G	P165000	5P42ES027707-02 REVISE	Kroll /Jesse	04/01/18	03/31/19	0	33	33
		6939310	G	P165000	5P42ES027707-02 REVISE	Kroll /Jesse	04/01/18	03/31/19	103,045	103,196	151
		6939311	G	P165000	5P42ES027707-02 REVISE	Selin /Noelle E	04/01/18	03/31/19	29,721	29,721	(0)
		6939312	G	P165000	5P42ES027707-02 REVISE	Swager /Timothy M	04/01/18	03/31/19	44,464	44,464	(0)
		6939313	G	P165000	5P42ES027707-02 REVISE	Essigmann /John M	04/01/18	03/31/19	171,031	169,602	(1,429)
		6939314	G	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/18	03/31/19	189,888	189,816	(72)
		6939315	G	P165000	5P42ES027707-02 REVISE	White /Forest M	04/01/18	03/31/19	60,332	60,355	23
		6939316	G	P152000	5R35GM122483-02S1	Buchwald /Stephen Leffler	06/01/18	05/31/19	0	50,000	50,000
		6939317	G	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/01/18	08/31/19	165,574	289,226	123,652
		6939323	G	P061902	5T32EB001680-14	Rosen /Bruce R	09/01/18	08/31/19	155,097	182,976	27,879
		6939334	G	P151059	1R01GM129007-01	Keating /Amy E	09/01/18	08/31/19	216,593	325,037	108,444
		6939337	G	P400600	1U24OD026638-01	Feng /Guoping	09/01/18	07/31/19	851,367	795,000	(56,367)
		6939340	G	P243021	2R01GM066976-14A1S1	Hong /Mei	02/01/18	04/30/19	52,259	52,259	0
		6939345	G	P061902	5-T32-EB001680-14	Rosen /Bruce R	09/01/18	08/31/19	0	9,650	9,650
		6939346	G	P159300	1-K99-EY029326-01	Fong /Ming-fai	08/05/18	07/31/19	77,353	97,650	20,297
		6939351	G	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/01/18	08/31/19	213,040	300,454	87,414
		6939352	G	P069201	1U01CA214381-01A1	Kamm /Roger Dale	09/01/18	08/31/19	144,938	178,185	33,247
		6939360	G	P402000	1-K99-CA234221-01	Lau /Allison N.	09/01/18	08/31/19	101,132	118,607	17,475

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		6939370	G	P165000	5-T32-ES007020-45	Essigmann /John M	07/01/19	06/30/20	0	8,231	8,231
		6939373	G	P243021	3-R01-EB002804-30S1	Griffin /Robert Guy	04/01/15	04/30/19	230,916	223,378	(7,538)
		6939412	G	P165000	3-P30-ES002109-38S1	Essigmann /John M	09/01/18	03/31/19	16,536	77,500	60,964
		6939415	G	P069201	3-U01-CA202177-04S1	Coughlin /Mark Frederick	07/01/18	08/31/19	172,677	200,346	27,669
		6939416	G	P062000	5-R01-EB026344-02	Hammond /Paula T	09/15/18	05/31/20	279,634	590,473	310,839
		6939428	G	P152000	1-U01-CA231079-01	Kiessling /Laura L	09/01/18	08/31/19	165,182	238,206	73,024
		6939429	G	P151072	1-U01-CA231079-01	Imperiali /Barbara	09/01/18	08/31/19	126,664	238,206	111,542
		6939440	G	P402000	1-K99-CA226400-01	Jin /Chengcheng	09/01/18	08/31/19	92,256	126,225	33,969
		6939441	G	P402000	1-K99-EB025254-01A1	Bose /Suman	09/01/18	08/31/19	62,159	89,313	27,154
		6939443	G	P402000	2-R01-EB000244-39	Langer /Robert S	08/07/18	04/30/20	231,366	571,483	340,117
		6939472	G	P067952	5-R01-AG062335-02	Kellis /Manolis	09/30/18	05/31/20	110,656	2,298,474	2,187,818
		6939473	G	P402000	5-U54-CA217377-02 REVIS	Manalis /Scott R	05/01/18	04/30/19	29,354	77,500	48,146
		6939480	G	P154500	2-R01-EY020517-07	Sinha /Pawan	07/01/18	06/30/19	171,892	593,743	421,851
		6939485	G	P159300	1-RF1-AG062377-01 REVIS	Tsai /Li-Huei	09/30/18	06/30/23	514,869	2,188,594	1,673,725
		6939504	G	P159300	1-R01-EY029245-01	Bear /Mark	09/30/18	07/31/19	530,603	618,018	87,415
		6939517	G	P165000	5-T32-ES007020-44	Essigmann /John M	07/01/18	06/30/19	256,824	233,978	(22,846)
		6939528	G	P159300	1-K99-MH116100-01A1	Bastos /Andre M	09/07/18	08/31/19	91,879	129,492	37,613
		6939529	G	P267111	5-R01-DC000238-33	Freeman /Dennis M	11/03/16	11/30/19	47,941	97,206	49,264
		6939533	G	P152000	3R01GM074825-12S1	Movassaghi /Mohammad	02/01/18	01/31/20	180,979	183,315	2,336
		6939555	G	P069201	5U01CA215798-02	Lauffenburger /Douglas A	04/01/18	03/31/19	97,343	101,759	4,416
		6939556	G	P069201	5U01CA215798-02	Lauffenburger /Douglas A	04/01/18	03/31/19	15,786	15,786	0
		6939574	G	P400600	1 RF1 MH117809-01	Fee /Michale Sean	09/21/18	09/20/21	235,786	1,915,889	1,680,103
		6939576	G	P069201	1-UF-1NS107712-01	Jananoff /Alan Pradip	09/30/18	09/29/21	496,837	688,858	192,021
		6939577	G	P067952	3-R01-HG008754-03S1	Gifford /David K	09/19/18	06/30/19	51,440	211,686	160,246
		6939595	G	P152000	5-P41-EB015871-32	So /Peter T. C.	06/18/17	08/31/19	3,366	76,000	72,614
		6939635	G	P154000	3-R01-GM081871-10S1	Berger Leighton /Bonnie	06/01/18	05/31/19	86,325	83,700	(2,625)
		6939640	G	P159300	1-R01-AG062335-01	Tsai /Li-Huei	09/30/18	05/31/20	276,797	306,429	29,632
		6939648	G	P154500	2-P30-EY002621-41	DiCarlo /James	09/30/18	06/30/19	8,350	612,860	604,510
		6939681	G	P069201	1-R01-EB026344-01	Grodzinsky /Alan J	09/15/18	05/31/20	84,633	519,358	434,725
		6939689	G	P067952	1-U01-NS110453-01	Kellis /Manolis	09/30/18	08/31/19	0	0	0
		6939690	G	P067952	1-U01-NS110453-01	Kellis /Manolis	09/30/18	08/31/19	91	0	(91)
		6939701	G	P159300	3-R01-EY025437-04S1	Nedivi /Elly	06/01/18	05/31/19	105,286	103,350	(1,936)
		6939710	G	P402000	3-U54-CA210180-03S1	White /Forest M	08/01/18	07/31/19	0	107,900	107,900
		6939713	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	15,000	15,000
		6939714	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	63,487	78,499	15,012
		6939715	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	3,936	79,500	75,564
		6939737	G	P061901	1-U01-MH117072-01	Chung /Kwanghun	08/22/18	05/31/19	1,002,694	1,671,670	668,976
		6939741	G	P154500	2-P30-EY002621-41	DiCarlo /James	09/30/18	06/30/19	318,726	0	(318,726)
		6939742	G	P154500	2-P30-EY002621-41	DiCarlo /James	09/30/18	06/30/19	7,535	0	(7,535)
		6939743	G	P154500	2-P30-EY002621-41	DiCarlo /James	09/30/18	06/30/19	138,168	0	(138,168)
		6939750	G	P067952	1-U01-NS110453-01	Kellis /Manolis	09/30/18	08/31/19	1,375,728	883,029	(492,699)
		6939751	G	P159300	1-U01-NS110453-01	Tsai /Li-Huei	09/30/18	08/31/19	415,372	465,550	50,178
		6939775	G	P061902	3T32EB001680-14S1	Rosen /Bruce R	09/01/18	08/31/19	36,267	45,724	9,457
		6939814	G	P061901	2R56EB017205-05	Mark /Roger G	07/19/18	08/31/19	458,255	512,381	54,126
		6939872	G	P243021	1-R21-GM129688-01	Park /Dongkeun	07/01/18	06/30/20	62,880	75,000	12,120
		6939904	G	P267500	5-R01-MH111872-03	Anikeeva /Polina Olegovna	07/01/16	06/30/19	0	81,603	81,603
		6939931	G	P400600	3-R01-DC016607-01A1S1	Fedorenko /Evelina G	11/01/18	04/30/20	52,775	39,860	(12,915)
		6939978	G	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	40,655	25,000	(15,655)
		6939993	G	P152000	2-R01-GM089732-09	Movassaghi /Mohammad	12/01/18	11/30/19	179,580	456,265	276,685

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		6940025	G	P402000	1-R01-CA226898-01A1	Yaffe /Michael B	12/07/18	11/30/19	0	226,497	226,497
		6940048	G	P402000	2-R01-CA168653-06A1	Vander Heiden /Matthew G.	12/13/18	11/30/19	225,221	535,289	310,068
		6940068	G	P069201	5T32EB019940-05	Jasanoff /Alan Pradip	04/01/19	03/31/20	30,200	133,961	103,761
		6940080	G	P400600	1-R01-EY029666-01	Desimone /Robert	01/01/19	12/31/19	180,996	498,039	317,043
		6940099	G	P151070	2R01GM105984-06	Martin /Adam C	01/01/19	12/31/19	60,843	329,391	268,548
		6940206	G	P151072	1-R01-GM131627-01	Imperiali /Barbara	02/01/19	01/31/20	46,178	333,750	287,572
		6940230	G	P402000	1-R01-CA226898-01A1	Yaffe /Michael B	12/07/18	11/30/19	85,065	155,000	69,935
		6940231	G	P402000	1-R01-CA226898-01A1	Hemann /Michael	12/07/18	11/30/19	113,087	155,000	41,913
		6940247	G	P152000	5-P41-EB015871-32	So /Peter T. C.	06/18/17	08/31/19	26,417	48,810	22,393
		6940264	G	P151054	1-R01-CA226898-01A1	Burge /Christopher B	12/07/18	11/30/19	6,498	0	(6,498)
		6940306	G	P402000	5-R01-AI111860-05	Irvine /Darrell J	04/01/14	12/31/19	0	284,888	284,888
		6940331	G	P067952	1-RF1-AG062377-01 REVIS	Kellis /Manolis	09/30/18	06/30/23	13,594	1,424,674	1,411,079
		6940355	G	P402000	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	0	15,000	15,000
		6940367	G	P159300	2-R01-MH104536-06	Littleton /J. Troy	12/01/18	12/31/19	277,424	384,994	107,570
		6940394	G	P061901	1-U19-AI131135-01	Chung /Kwanghun	04/01/18	03/31/19	1,617	40,000	38,383
		6940415	G	P039070	1R01HD097135-01	Herr /Hugh M	03/14/19	01/31/20	246,515	592,117	345,602
		6940433	G	P152000	3-R01-GM044783-26S1	Raines /Ronald T	07/01/18	06/30/20	0	35,050	35,050
		6940450	G	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	0	0	0
		6940451	G	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	124,022	592,533	468,511
		6940453	G	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	16,834	84,750	67,916
		6940460	G	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/19	03/31/20	12,356	69,050	56,694
		6940463	G	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/19	03/31/20	3,328	3,975	647
		6940464	G	P165000	5P42ES027707-02 REVISE	Vandiver /Kathleen	04/01/19	03/31/20	10,707	55,846	45,139
		6940465	G	P165000	5P42ES027707-02 REVISE	Essigmann /John M	04/01/19	03/31/20	0	8,443	8,443
		6940467	G	P165000	5P42ES027707-02 REVISE	Hemond /Harold F	04/01/19	03/31/20	25,623	123,938	98,315
		6940468	G	P165000	5P42ES027707-02 REVISE	Swager /Timothy M	04/01/19	03/31/20	9,169	75,767	66,598
		6940470	G	P165000	5P42ES027707-02 REVISE	Kroll /Jesse	04/01/19	03/31/20	19,565	118,938	99,373
		6940471	G	P165000	5P42ES027707-02 REVISE	Selin /Noelle E	04/01/19	03/31/20	47,213	114,654	67,441
		6940472	G	P165000	5P42ES027707-02 REVISE	Swager /Timothy M	04/01/19	03/31/20	15,800	65,486	49,686
		6940473	G	P165000	5P42ES027707-02 REVISE	Essigmann /John M	04/01/19	03/31/20	55,857	257,435	201,578
		6940474	G	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/19	03/31/20	57,002	256,166	199,164
		6940475	G	P165000	5P42ES027707-02 REVISE	White /Forest M	04/01/19	03/31/20	708	149,387	148,679
		6940481	G	P165000	5P30ES002109-38 REVISE	Niles /Jacquin	04/01/19	03/31/20	0	0	0
		6940483	G	P165000	5P30ES002109-38 REVISE	Niles /Jacquin	04/01/19	03/31/20	120,923	225,912	104,989
		6940484	G	P165000	5P30ES002109-38 REVISE	Vandiver /Kathleen	04/01/19	03/31/20	40,944	125,454	84,510
		6940485	G	P165000	5P30ES002109-38 REVISE	Fox /James G	04/01/19	03/31/20	58,298	150,256	91,958
		6940486	G	P165000	5P30ES002109-38 REVISE	Niles /Jacquin	04/01/19	03/31/20	27,057	177,726	150,669
		6940487	G	P165000	5P30ES002109-38 REVISE	Levine /Stuart S.	04/01/19	03/31/20	18,402	151,111	132,709
		6940488	G	P165000	5P30ES002109-38 REVISE	Niles /Jacquin	04/01/19	03/31/20	4,578	64,709	60,131
		6940492	G	P165000	5P30ES002109-38 REVISE	Niles /Jacquin	04/01/19	03/31/20	0	78,000	78,000
		6940554	G	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	04/01/19	05/31/20	183,212	1,414,469	1,231,257
		6940564	G	P069201	5 U01 CA215798-03	Lauffenburger /Douglas A	04/01/19	03/31/20	57,247	123,116	65,869
		6940570	G	P069201	5 U01 CA215798-03	Lauffenburger /Douglas A	04/01/19	03/31/20	9,833	541,109	531,276
		6940578	G	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/28/20	30,616	61,391	30,775
		6940595	G	P165000	5P30ES002109-38 REVISE	Belcher /Angela M	04/01/19	12/31/19	5,411	0	(5,411)
		6940597	G	P165000	5P30ES002109-38 REVISE	Tat /Amanda	04/01/19	12/31/19	959	0	(959)
		6940598	G	P165000	5P30ES002109-38 REVISE	Kroll /Jesse	04/01/19	12/31/19	1,567	0	(1,567)

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		6940600	G	P165000	5P30ES002109-38 REVISE	Essigmann /John M	04/01/19	12/31/19	7,434	0	(7,434)
		6940645	G	P061901	1-U01-MH117072-01	Chung /Kwanghun	12/21/18	01/10/19	0	10,821	10,821
		6940659	G	P061901	5-U19-AI131135-03	Gehrke /Lee	04/01/19	03/31/20	181,730	1,607,522	1,425,791
		6940660	G	P061901	5-U19-AI131135-03	Gehrke /Lee	04/01/19	03/31/20	22,938	123,490	100,552
		6940703	G	P400600	5-U01-MH108168-04S1	Whitfield-Gabrieli /Susan	09/16/15	06/30/20	0	361,542	361,542
		6940725	G	P165000	2-R01-EB017755-05	Ribbeck /Katharina	05/01/19	01/31/20	7,393	343,621	336,228
		6940730	G	P165000	2-R01-EB017755-05	Ribbeck /Katharina	05/01/19	01/31/20	0	153,055	153,055
		6940739	G	P243021	9-R01-GM132997-31	Griffin /Robert Guy	04/01/19	05/31/20	131,291	553,306	422,015
		6940760	G	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	2,431	80,348	77,917
		6940761	G	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	0	62,274	62,274
		6940762	G	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	5,260	117,959	112,699
		6940763	G	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	0	140,892	140,892
		6940764	G	P402000	5-U54-CA217377-03	Lauffenburger /Douglas A	05/01/19	04/30/20	0	203,399	203,399
		6940769	G	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	11,855	0	(11,855)
		6940770	G	P402000	5-U54-CA217377-03	Lauffenburger /Douglas A	05/01/19	04/30/20	0	42,268	42,268
		6940771	G	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	76,703	553,957	477,254
		6940773	G	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	1,555	154,445	152,890
		6940774	G	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	680	154,445	153,765
		6940776	G	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	0	204,093	204,093
		6940780	G	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	0	204,093	204,093
		6940877	G	P067952	1-U01-MH119509-01	Kellis /Manolis	06/01/19	05/31/20	0	366,462	366,462
		6940879	G	P061901	5-U01-MH117072-02	Chung /Kwanghun	06/01/19	05/31/20	51,694	1,802,037	1,750,343
		6940881	G	P069201	1-R01-AI141543-01A1	Niles /Jacquin	06/03/19	05/31/20	0	377,417	377,417
		6940912	G	P069201	5-U01-NS103470-03	Jasanoff /Alan Pradip	04/01/19	06/30/20	70,552	507,010	436,458
		6940913	G	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	43,072	43,997	926
		6940914	G	P069201	5-U01CA202177-04	Kamm /Roger Dale	09/01/18	08/31/19	0	16,728	16,728
		6940951	G	P159300	1-R21-MH120440-01	Littleton /J. Troy	06/01/19	04/30/20	0	293,719	293,719
		6940954	G	P154500	1-R01-DC017970-01	McDermott /Joshua Hartman	09/01/19	08/31/20	0	337,875	337,875
		6940975	G	P402000	1-U01-CA238720-01	White /Forest M	06/01/19	05/31/20	0	182,798	182,798
		6940976	G	P402000	1-U01-CA238720-01	White /Forest M	06/01/19	05/31/20	0	101,228	101,228
		6940990	G	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	0	3,572,644	3,572,644
		6941010	G	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	0	0	0
		6941046	G	P152000	2-P41-EB015871-31	So /Peter T. C.	09/18/17	08/31/19	6,921	30,000	23,079
		6941049	G	P151020	2-R01-GM031030-37A1	Walker /Graham C	07/01/19	06/30/20	0	406,623	406,623
		6941050	G	P069201	5-U01-CA184898-06	Fraenkel /Ernest	06/01/19	05/31/20	0	221,769	221,769
		6941051	G	P069201	5-U01-CA184898-06	Fraenkel /Ernest	06/01/19	05/31/20	0	250,030	250,030
		6941055	G	P165000	2-R01-EB017755-05	Kiessling /Laura L	05/01/19	01/31/20	0	86,473	86,473
		6941056	G	P067952	1-U01-MH119509-01	Tsai /Li-Huei	06/01/19	05/31/20	0	289,308	289,308
		6941065	G	P400600	5-U01-MH114819-03	Feng /Guoping	06/01/19	05/31/20	0	1,147,781	1,147,781
		6941066	G	P400600	5-U01-MH114819-03	Boyden /Edward	06/01/19	05/31/20	0	216,793	216,793
		6941092	G	P402000	1-R21-CA236685-01	Manalis /Scott R	09/01/19	08/31/20	0	184,953	184,953
		6941118	G	P151000	5-T32-GM007287-45	Bell /Stephen P	07/01/19	06/30/20	0	1,480,278	1,480,278
	002533 CREARE, Incor	6940410	C	P061090	SUB# S633 / PO# 99163	How /Jonathan P	12/15/18	12/14/20	13,700	250,000	236,300
	004094 Physical Scienc	6940787	C	P400600	82883-1981-45	Feng /Guoping	05/01/18	04/30/19	0	69,327	69,327
	004487 The Wellcome Trust	6927934	G	P067952	SUBAWARD 2186-05	Kellis /Manolis	04/01/13	03/31/14	0	167,636	(0)
		6930351	G	P067952	SUBAWARD 2186-05	Kellis /Manolis	04/01/14	03/31/15	0	164,283	0
		6932582	G	P067952	SUBAWARD 2186-05	Kellis /Manolis	04/01/15	03/31/16	0	163,445	0

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		6934170	G	P067952	2186-05	Kellis /Manolis	01/02/16	09/30/17	0	191,347	0
	005260 Beth Israel Deaconess Medical Center	6932203	G	P061901	01027119	Mirny /Leonid A	03/01/15	02/29/16	0	22,686	0
		6932889	G	P061901	SUBAWARD #01028330	Mark /Roger G	07/01/15	06/30/19	0	0	0
		6932892	G	P061901	01028330	Mark /Roger G	07/01/15	06/30/16	0	386,327	(0)
		6932985	G	P069201	SUBAWARD NO. 0102847	Lauffenburger /Douglas A	09/25/15	08/31/19	0	0	0
		6933417	G	P069201	1-U01-CA199252-01	Lauffenburger /Douglas A	09/25/15	08/31/16	0	64,355	(0)
		6933956	G	P061901	01027119	Mirny /Leonid A	03/01/16	02/28/17	0	36,449	0
		6934879	G	P061901	01028330	Mark /Roger G	07/01/16	06/30/17	0	496,198	(0)
		6935428	G	P069201	SUBAWARD NO. 0102942	Lauffenburger /Douglas A	09/01/16	08/31/17	0	64,513	(0)
		6935922	G	P400600	01029400	Whitfield-Gabrieli /Susan	09/21/16	06/30/17	0	23,036	0
		6936539	G	P061901	01027119	Mirny /Leonid A	03/01/17	02/28/18	0	26,113	(0)
		6937483	G	P069201	SUBAWARD NO. 0102942	Lauffenburger /Douglas A	09/01/17	08/31/18	(13,944)	64,513	(0)
		6937608	G	P061901	2R01GM104987-09	Mark /Roger G	07/01/17	06/30/18	(45,315)	477,772	0
		6937621	G	P400600	01029400	Whitfield-Gabrieli /Susan	07/01/17	06/30/18	(545)	48,983	23,428
		6940118	G	P069201	SUBAWARD NO. 0102847	Lauffenburger /Douglas A	09/01/18	08/31/19	8,215	58,062	49,847
		6940360	G	P061901	SUBAWARD #01028330	Mark /Roger G	07/01/18	06/30/19	376,054	471,120	95,066
		6940608	G	P039070	01061188	Boyden /Edward	08/23/18	05/31/19	0	84,639	84,639
		6940834	G	P159300	01061188	Brown /Emery Neal	08/23/18	05/31/19	0	102,275	102,275
		6941041	G	P039070	01061188	Boyden /Edward	06/01/19	08/31/19	24,860	0	(24,860)
	005274 Boston University	6928039	G	P065004	4500002343	Kamm /Roger Dale	04/16/13	12/31/18	0	0	0
		6928338	G	P065006	4500001279	Kamm /Roger Dale	04/16/13	03/31/14	0	163,896	0
		6928368	G	P069200	4500001279	Lauffenburger /Douglas A	04/16/13	03/31/14	0	115,736	0
		6930176	G	P065004	4500001279	Kamm /Roger Dale	04/01/14	03/31/15	0	201,154	0
		6930177	G	P069200	4500001279	Lauffenburger /Douglas A	04/01/14	03/31/15	0	91,630	0
		6932353	G	P065004	4500001821	Kamm /Roger Dale	04/01/15	03/31/16	0	295,249	0
		6933002	G	P061901	4500001922	Bhatia /Sangeeta N	08/15/15	06/30/19	264,506	1,328,492	83,364
		6933944	G	P065004	4500002049	Kamm /Roger Dale	04/01/16	03/31/17	0	0	0
		6933945	G	P065004	4500002049	Kamm /Roger Dale	04/01/16	03/31/17	0	173,507	0
		6933946	G	P402000	4500002049	Gertler /Frank	04/01/16	03/31/17	0	100,646	(0)
		6935452	G	P065004	4500002343	Kamm /Roger Dale	04/01/17	12/31/18	0	200,362	(3,775)
		6936474	G	P402000	4500002343	Gertler /Frank	04/01/17	12/31/18	0	64,829	(0)
		6937260	G	P061902	50203805	Greenberg /Julie E	11/01/17	01/15/18	(0)	15,084	0
		6938063	G	P159300	SUBAWARD NO.45000025	Wilson /Matthew A	09/30/17	08/31/19	223,440	309,400	39,869
		6939502	G	P061902	50203805.2	Greenberg /Julie E	06/01/18	05/31/19	68,167	67,831	(336)
		6939543	G	P061902	50204332	Greenberg /Julie E	06/01/18	08/31/18	2,579	2,560	(19)
		6939758	G	P061902	50204332.2	Greenberg /Julie E	09/01/18	12/31/18	16,106	16,007	(99)
		6939954	G	P067952	4500002883	Glass /James R	09/01/18	01/31/20	1,645	68,090	66,445
	005275 Boston Medical Center	6931135	G	P061901	AGREEMENT 4292	Collins /James J.	08/01/14	10/31/18	0	118,846	366
		6932849	G	P061901	AGREEMENT 4292	Collins /James J.	07/01/15	07/31/16	0	98,196	0
		6934888	G	P061901	AGREEMENT 4292	Collins /James J.	08/01/16	07/31/17	0	133,040	50
		6937014	G	P061901	AGREEMENT 4292	Collins /James J.	08/01/17	07/31/18	3,824	114,980	(0)
		6939705	G	P061901	AGREEMENT 4292	Collins /James J.	08/01/18	10/31/18	28,745	28,745	(0)
	005321 Brigham & Women's Hospital	6932413	G	P267110	112548	Voldman /Joel	06/23/15	05/31/20	0	0	0
		6932444	G	P267110	112548	Voldman /Joel	06/23/15	05/31/16	0	92,977	(0)
		6932715	G	P267110	112548	Han /Jongyoon	06/23/15	05/31/16	0	32,484	0

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		6933473	G	P402000	113786	Anderson /Daniel Griffith	01/01/16	12/31/19	40,464	300,699	180,103
		6933923	G	P402000	114237	Chen /Jianzhu	03/01/16	02/29/20	0	100	100
		6933924	G	P402000	114237	Chen /Jianzhu	03/01/16	02/28/17	0	169,940	0
		6934215	G	P267110	112548	Voldman /Joel	06/01/16	05/31/17	0	152,927	0
		6934216	G	P267110	112548	Han /Jongyoon	06/01/16	05/31/17	0	118,882	(0)
		6934372	G	P067952	114169	Golland /Polina	06/01/16	05/31/19	3,350	399,294	51,334
		6936193	G	P402000	114237	Chen /Jianzhu	03/01/17	02/28/18	0	153,022	0
		6936292	G	P402000	116900	Anderson /Daniel Griffith	03/24/17	02/29/20	21,755	137,654	77,319
		6936713	G	P267110	112548	Voldman /Joel	06/01/17	05/31/18	579	114,912	0
		6936714	G	P267110	112548	Han /Jongyoon	06/01/17	05/31/18	1,139	95,935	0
		6938401	G	P402000	114237	Chen /Jianzhu	03/01/18	02/28/19	88,249	148,200	0
		6939670	G	P267110	112548	Voldman /Joel	06/01/18	05/31/19	106,057	103,686	(2,371)
		6939671	G	P267110	112548	Han /Jongyoon	06/01/18	05/31/19	91,127	103,686	12,558
		6940370	G	P067952	120368	Golland /Polina	09/22/18	06/30/19	202,680	195,563	(7,117)
		6940533	G	P067952	120780	Gifford /David K	01/15/19	12/31/19	0	107,826	107,826
		6940538	G	P402000	114237	Chen /Jianzhu	03/01/19	02/29/20	157,637	144,495	(13,142)
		6940905	G	P267110	112548	Voldman /Joel	06/01/19	05/31/20	12,903	101,875	88,971
		6940906	G	P267110	112548	Han /Jongyoon	06/01/19	05/31/20	19,807	101,875	82,067
	005333 Brown Universit	6928094	G	P066000	SUBAWARD 00000624	Dao /Ming	06/01/13	05/31/14	0	223,274	(0)
		6930813	G	P066000	SUBAWARD 00000624	Dao /Ming	06/01/13	05/31/15	0	271,606	(0)
		6932585	G	P066000	SUBAWARD 00000624	Dao /Ming	04/01/15	05/31/16	0	280,717	0
		6935324	G	P066000	SUBAWARD 00000624	Dao /Ming	06/01/13	05/31/17	0	332,393	(0)
		6937534	G	P066000	SUBAWARD 00000624	Dao /Ming	06/01/13	05/31/19	69,468	280,875	(40,814)
	005380 Case Western Reserve University	6928865	G	P267111	GRISWOLD RES508442 IN	Adalsteinsson /Elfar	08/15/13	07/31/18	0	139,971	0
		6930791	G	P267600	GRISWOLD RES508442 IN	Adalsteinsson /Elfar	08/01/14	07/31/15	0	103,912	0
		6932670	G	P267600	GRISWOLD RES508442 IN	Adalsteinsson /Elfar	08/01/15	07/31/16	0	98,688	(0)
		6935084	G	P267111	RES511404	Adalsteinsson /Elfar	08/01/16	07/31/18	14,214	166,992	0
		6939787	G	P039000	RES513708	Lunshof /Jeantine E	09/20/18	09/19/19	56,592	109,384	52,792
	005460 Children's Hospital Boston	6929715	G	P267111	RSTFD0000570507	Adalsteinsson /Elfar	04/01/14	03/31/15	0	235,103	(0)
		6931050	G	P061901	RSTFD00000602424	Collins /James J.	08/01/14	07/31/20	0	258,302	0
		6932057	G	P165000	PO#0000704243	Alm /Eric J	07/01/15	05/31/19	0	0	0
		6932069	G	P165000	PO#0000635383	Alm /Eric J	07/01/15	05/31/16	0	48,917	0
		6932318	G	P267111	RSTFD0000641564	Adalsteinsson /Elfar	04/01/15	03/31/16	0	276,623	(0)
		6932913	G	P061901	RSTFD0000652459	Collins /James J.	08/01/15	07/31/16	0	255,767	0
		6933352	G	P267111	RSTFD0000667865	Adalsteinsson /Elfar	09/01/15	08/31/19	0	0	0
		6933353	G	P267600	RSTFD0000667865	Adalsteinsson /Elfar	09/01/15	08/31/16	0	32,193	0
		6933387	G	P067952	RSTFD0000667865	Golland /Polina	09/01/15	08/31/16	0	82,732	0
		6934060	G	P267111	RSTFD0000689449	Adalsteinsson /Elfar	04/01/16	03/31/17	0	331,227	(0)
		6934415	G	P165000	PO#0000704243	Alm /Eric J	06/01/16	05/31/17	0	48,917	(0)
		6935002	G	P267111	GENFD0001152559	Adalsteinsson /Elfar	09/01/16	08/31/17	0	40,328	(0)
		6935303	G	P067952	GENFD0001152559	Golland /Polina	09/01/16	08/31/17	0	252,786	(0)
		6936020	G	P061901	GENFD0001240500	Collins /James J.	08/01/16	07/31/17	0	129,224	(0)
		6936340	G	P267111	RSTFD0000689449	Adalsteinsson /Elfar	04/01/17	03/31/18	391	203,819	(0)
		6936589	G	P165000	PO#0000704243	Alm /Eric J	06/01/17	05/31/18	924	48,917	(0)
		6937612	G	P061901	GENFD0001332333	Collins /James J.	08/01/17	07/31/18	30,863	178,296	0
		6937622	G	P267111	GENFD0001351238	Adalsteinsson /Elfar	09/01/17	08/31/18	19,504	36,961	(0)
		6937709	G	P067952	GENFD0001351238	Golland /Polina	09/01/17	08/31/18	49,722	149,591	0
		6938552	G	P267111	GENFD0001442726	Adalsteinsson /Elfar	04/01/18	03/31/20	263,764	561,356	251,711
		6939365	G	P267110	GENFD0001510131	Voldman /Joel	08/03/18	07/31/19	0	0	0

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		6939366	G	P267110	GENFD0001510131	Voldman /Joel	08/03/18	07/31/19	74,693	137,164	62,471
		6939784	G	P061901	GENFD0001538557	Shalek /Alexander K	09/09/18	07/31/19	92,035	0	(92,035)
		6939788	G	P061901	GENFD0001538557	Shalek /Alexander K	09/09/18	07/31/19	0	44,413	44,413
		6939961	G	P267111	GENFD0001548986	Adalsteinsson /Elfar	09/01/18	08/31/19	29,168	52,974	23,806
		6939964	G	P061901	GENFD0001552721	Collins /James J.	08/01/18	07/31/20	134,266	151,797	17,531
		6939965	G	P067952	GENFD0001548986	Golland /Polina	09/01/18	08/31/19	110,491	140,407	29,916
		6940032	G	P165000	PO#GENFD0001566187	Alm /Eric J	06/01/18	05/31/19	26,057	33,317	7,260
	005508 Columbia University	6927142	G	P067952	PO G11501 AWARD 1(GG012741-02)	Gifford /David K	09/01/12	09/29/17	(181)	1,131,436	0
		6934117	G	P402000	1(GG012140)/PO G10545	Vander Heiden /Matthew G.	12/01/15	11/30/19	215,148	982,803	221,786
		6936354	G	P402100	1(GG012741-01)	Fox /James G	12/07/16	11/30/17	0	45,000	34,167
		6936432	G	P402100	2(GG012789-02)	Fox /James G	05/12/17	04/30/18	(954)	48,360	(0)
		6937907	G	P402100	GG012741-02	Fox /James G	12/01/17	11/30/18	27,784	45,000	0
		6937984	G	P067952	1(GG012271-01)	Gifford /David K	09/30/17	09/29/18	34,575	173,775	0
		6938959	G	P402100	2(GG012789-08)	Fox /James G	05/01/18	04/30/19	62,400	62,400	(0)
		6940022	G	P402100	1(GG012741-03)	Fox /James G	12/01/18	11/30/19	2,151	40,406	38,255
		6940240	G	P039070	2(GG014507)	Boyden /Edward	09/30/18	09/29/19	50,122	28,905	(21,217)
		6940407	G	P067952	1(GG014640)	Gifford /David K	12/01/18	11/30/19	6,704	184,958	178,254
		6941039	G	P402100	2(GG012789-02)	Fox /James G	05/01/19	04/30/20	446	0	(446)
	005817 Dana Farber Cancer Institute	6926764	G	P402010	1214503	Manalis /Scott R	08/10/12	05/31/18	13,525	921,820	0
		6928787	G	P402010	1006718	Love /John C	07/01/13	08/31/19	87,783	1,367,428	122,507
		6929481	C	P402012	1225411	Vander Heiden /Matthew G.	09/23/13	06/30/19	0	160	160
		6929482	C	P402012	1225411	Vander Heiden /Matthew G.	09/23/13	06/30/14	0	32,161	(0)
		6930863	C	P402012	1225411	Vander Heiden /Matthew G.	07/01/14	06/30/15	0	26,773	0
		6932916	C	P402012	1225411	Vander Heiden /Matthew G.	07/01/15	06/30/16	0	28,474	0
		6934300	G	P402010	1214503	Manalis /Scott R	06/01/16	05/31/18	0	16,411	0
		6934749	G	P402000	1282601	Irvine /Darrell J	08/05/16	07/31/17	0	262,467	0
		6934774	G	P402000	1282101	Love /John C	08/05/16	07/31/17	0	54,600	(0)
		6935439	C	P402012	1225411/PO#1034483	Vander Heiden /Matthew G.	09/23/13	06/30/17	0	17,082	0
		6935734	G	P402010	1214503	Manalis /Scott R	12/01/16	05/31/18	0	5,904	0
		6936864	G	P402000	1282602	Irvine /Darrell J	08/01/17	07/31/18	24,447	344,803	0
		6936865	G	P402000	1282102	Love /John C	08/05/16	07/31/18	5,944	36,778	0
		6937438	C	P402000	1225411/PO#1034483	Vander Heiden /Matthew G.	07/01/17	06/30/19	7,612	29,742	(107)
	005937 Georgetown Un	6939136	G	P402000	1282101	Love /John C	08/01/18	07/31/19	47,779	68,677	20,898
		6939137	G	P402000	1282601	Irvine /Darrell J	08/01/18	07/31/19	286,364	294,449	8,085
	006096 Cold Spring Harbor Laboratory	6930175	G	P267600	410646-GR409880-MIT	Fujimoto /James G	04/01/14	03/31/19	12,573	263,857	41,345
		6938118	G	P039070	64580127/PO# 921003-SV	Boyden /Edward	09/21/17	05/31/20	0	943	943
		6938260	G	P039070	64580127/PO# 921003-SV	Boyden /Edward	09/21/17	06/30/18	(84,079)	116,975	(0)
		6939604	G	P039070	64580127/PO# 921003-SV	Boyden /Edward	07/01/18	05/31/19	361,452	354,660	(6,792)
		6941124	G	P039070	64580127/PO# 921003-SV	Boyden /Edward	06/01/19	05/31/20	0	229,523	229,523
	006112 Harvard Medical School	6931022	G	P159300	152754.5068079.0002	Tsai /Li-Huei	09/15/14	05/31/19	306,580	1,441,542	(307)
		6931543	G	P067952	152448.5079089.0106	Szolovits /Peter	10/01/14	04/30/18	0	196,319	196,319
		6931592	G	P067952	152448.5079089.0106	Szolovits /Peter	10/01/14	04/30/15	0	0	0
		6932398	G	P067952	152448.5079089.0208	Szolovits /Peter	05/01/15	04/30/16	0	76,392	(0)
		6932903	G	P039070	SUBAWARD 152772.59062	Boyden /Edward	09/14/15	06/30/19	0	0	0
		6933268	G	P061901	153032.5091220.0102	Mirny /Leonid A	09/01/15	08/31/19	0	141	141
		6933269	G	P061901	153032.5091220.0102	Mirny /Leonid A	09/01/15	08/31/16	0	76,079	0
		6933497	G	P039070	SUBAWARD 152772.59062	Boyden /Edward	09/14/15	06/30/16	0	125,581	0
		6934035	G	P067952	HMS FUND# 152433	Szolovits /Peter	01/15/16	01/14/17	0	38,920	14,127
		6934412	G	P067952	152448.5079089.0308	Szolovits /Peter	05/01/16	04/30/17	0	38,655	0

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		6934416	G	P039070	SUBAWARD 152772.50962	Boyden /Edward	07/01/16	06/30/17	0	118,625	0
		6935049	G	P061901	153032.5091220.0202	Mirny /Leonid A	09/01/16	08/31/17	0	137,432	(0)
		6935932	G	P267110	149855.5100033.0402	Han /Jongyoon	03/01/17	02/28/18	(113)	268,784	0
		6936632	G	P067952	152448.5079089.0408	Szolovits /Peter	05/01/17	04/30/18	(7,920)	206,469	995
		6937138	G	P039070	SUBAWARD 152772.50962	Boyden /Edward	09/14/15	06/30/18	16,212	145,795	72,738
		6937730	G	P061901	153032.5091220.0302	Mirny /Leonid A	09/01/17	08/31/18	53,640	100,159	0
		6937936	G	P067952	152447.5074647.0407	Szolovits /Peter	08/01/17	07/31/18	11,182	79,066	(10,054)
		6937980	G	P069201	SUBAWARD NO. 117954	Fraenkel /Ernest	09/15/17	08/31/19	144,960	487,068	310,436
		6938667	G	P061902	RENCOK-001	Greenberg /Julie E	02/01/18	01/15/19	2,332	4,664	(0)
		6939223	G	P400600	153094.5106380.0003	Whitfield-Gabrieli /Susan	06/01/18	03/31/19	139,211	222,289	83,078
		6939386	G	P039070	SUBAWARD 152772.50962	Boyden /Edward	09/14/15	06/30/19	131,966	130,001	(1,965)
		6939538	G	P061902	HMS FUND#153049	Greenberg /Julie E	07/01/18	05/31/19	38,297	38,297	0
		6939914	G	P061901	153032.5091220.0402	Mirny /Leonid A	09/01/18	08/31/19	82,118	123,002	40,884
		6940261	G	P067952	152447.5074647.0507	Szolovits /Peter	08/01/18	07/31/19	79,856	79,066	(790)
	006120 Harvard University	6938207	G	P065004	113098-5106858	Guo /Ming	09/01/17	08/31/18	19,684	92,820	(11,904)
		6938743	G	P061901	167980.0103	Collins /James J.	09/01/17	07/31/18	2,172	2,172	(0)
		6939227	G	P165000	164647-5107687	Dedon /Peter C	09/01/18	05/31/20	64,527	385,700	321,173
		6939767	G	P061901	151577	Gehrke /Lee	07/15/18	07/14/19	48,143	57,334	9,191
		6939781	G	P400600	132692-5106604	Feng /Guoping	07/01/18	03/31/20	0	0	0
		6939816	G	P400600	132692-5106604	Feng /Guoping	07/01/18	03/31/19	371,280	371,280	0
		6939817	G	P400600	132692-5106604	Feng /Guoping	04/01/19	03/31/20	315,426	0	(315,426)
		6940320	G	P158000	AGMT DTD 4/11/2019	Gore /Jeff	01/16/19	05/31/19	27,563	27,563	(0)
		6940532	G	P064000	BILLING AGRMNT. DTD. 0	Shavit /Nir N.	10/01/18	01/15/19	11,164	11,164	0
	006131 Fred Hutchinson	6940946	G	P065004		Buie /Cullen	04/01/19	08/31/19	7,886	0	(7,886)
	006151 Johns Hopkins	6939792	G	P068700	2004089323	Dahleh /Munther A	07/01/18	06/30/19	34,537	71,640	37,103
	006207 University of California/Davis	6937292	G	P152000	A18-0226-S002	Kiessling /Laura L	08/01/17	07/31/18	16,481	238,440	0
		6939140	G	P152000	A18-0226-S002	Kiessling /Laura L	08/01/17	07/31/19	236,031	235,676	(355)
	006570 Massachusetts General Hospital	6926604	G	P062000	SUBAWARD 227784	Stephanopoulos /Gregory	07/20/12	04/30/17	0	696,786	1,223
		6930051	G	P067952	224256	Tidor /Bruce	05/01/14	03/31/18	(4,187)	360,260	(0)
		6931354	G	P061901	225360	Edelman /Elazer R	11/14/14	11/30/18	14,613	43,101	0
		6932581	G	P067952	226025	Golland /Polina	07/01/15	04/30/20	40,201	179,390	41,789
		6934501	G	P067952	228314	Szolovits /Peter	04/06/16	02/28/18	0	22,437	0
		6935177	G	P267600	228193	Lu /Timothy K	06/30/16	06/29/19	0	56,376	0
		6935377	G	P061901	229354	Chung /Kwanghun	09/15/16	07/31/18	11,164	281,973	28,992
		6935622	G	P159300	229428	Sur /Mriganka	09/30/16	06/30/19	70,189	278,549	0
		6935740	G	P402000	227296	Irvine /Darrell J	02/01/17	01/31/19	18,402	377,695	(0)
		6935800	G	P267600	229825	Lu /Timothy K	12/24/16	11/30/19	72,415	84,638	(1,124)
		6935992	G	P402000	229916	Anderson /Daniel Griffith	01/09/17	12/31/19	127,186	440,283	168,786
		6936300	G	P067952	230321	Guttag /John V	04/01/17	03/31/18	0	106,888	488
		6936859	G	P061902	229297 - DANNENBERG	Greenberg /Julie E	06/01/17	05/31/18	0	46,929	0
		6936861	G	P061902	229297	Greenberg /Julie E	06/01/17	05/31/18	0	31,755	(6)
		6936866	G	P061902	228599	Greenberg /Julie E	06/01/17	05/31/18	(659)	43,007	(0)
		6937019	G	P402010	223253	Vander Heiden /Matthew G.	08/01/17	07/31/18	22,641	22,514	0
		6937257	G	P061902	226852	Greenberg /Julie E	09/01/17	01/15/18	0	2,255	1
		6937341	G	P402000	230837	Langer /Robert S	06/15/17	05/31/19	98,107	96,598	(10,083)
		6937425	G	P267111	SUBAWARD 231183	Adalsteinsson /Elfar	09/01/17	05/31/19	231,893	451,508	123,988
		6937453	G	P159300	SUBAWARD NO. 231125	Wilson /Matthew A	08/03/17	05/31/19	109,081	211,164	12,258
		6937579	G	P069400	231367	Finkelstein /Stan Neil	09/30/17	08/31/18	15,667	81,022	(0)

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		6937613	G	P267600	228193	Lu /Timothy K	06/30/17	06/29/18	160	57,504	0	
		6937647	G	P069201	230837	Grodzinsky /Alan J	06/18/17	05/31/19	52,821	96,598	(968)	
		6937770	G	P061902	227602	Greenberg /Julie E	09/01/17	01/15/18	0	23,693	1	
		6937884	G	P402000	231617	Yilmaz /Omer	09/30/17	08/31/19	116,806	216,580	36,570	
		6937930	G	P067952	228314	Szolovits /Peter	03/01/17	02/28/18	(389)	74,869	0	
		6938426	G	P062000	231833	Strano /Michael S.	01/01/18	12/31/19	97,539	142,337	33,795	
		6938653	G	P061901	232432	Shalek /Alexander K	03/01/18	02/28/19	24,173	60,670	36,497	
		6938704	G	P067952	230321	Guttag /John V	04/01/18	03/31/19	99,521	104,964	(1,314)	
		6938915	G	P159300	SUBAWARD NO. 230203	Miller /Earl K	02/01/18	01/31/20	87,397	251,820	164,423	
		6939141	G	P067952	228314	Szolovits /Peter	03/01/18	02/28/19	68,262	74,869	6,607	
		6939294	G	P061902	228599	Greenberg /Julie E	07/01/18	05/31/19	45,938	45,655	(282)	
		6939469	G	P061902	229386	Greenberg /Julie E	06/01/18	01/15/19	39,431	39,231	(200)	
		6939510	G	P061902	231297	Greenberg /Julie E	06/01/18	05/31/19	56,386	56,155	(231)	
		6939544	G	P061902	228601	Greenberg /Julie E	06/01/18	06/30/18	3,211	3,211	0	
		6939603	G	P267600	228193	Lu /Timothy K	06/30/18	06/29/19	64,334	58,560	(5,774)	
		6939659	G	P061902	229297	Greenberg /Julie E	09/01/18	05/31/19	24,317	24,178	(139)	
		6939662	G	P061902	228599	Greenberg /Julie E	06/01/18	06/30/18	2,494	2,494	0	
		6939663	G	P061902	229297	Greenberg /Julie E	08/01/18	08/31/18	3,540	3,505	(35)	
		6939664	G	P061902	228601	Greenberg /Julie E	07/01/18	08/31/18	6,471	6,404	(67)	
		6939666	G	P061902	229297	Greenberg /Julie E	08/01/18	08/31/18	3,857	3,818	(39)	
		6939682	G	P061901	229172	Shalek /Alexander K	07/01/17	06/30/19	12,052	12,250	198	
		6939768	G	P061902	232673	Greenberg /Julie E	09/01/18	01/15/19	28,810	28,645	(165)	
		6939777	G	P064000	MGH PEOPLESOFT # 2304	Brown /Emery Neal	06/01/18	05/31/19	38,790	38,790	0	
		6939894	G	P061902	231409	Greenberg /Julie E	09/01/18	05/31/19	28,560	28,384	(176)	
		6940103	G	P064000	2R01HL098026-05A1	Mark /Roger G	06/01/18	08/31/18	5,299	5,299	0	
		6940260	G	P069400	233405	Finkelstein /Stan Neil	09/30/18	05/31/19	48,948	93,517	44,569	
		6940323	G	P039000	233811	Picard /Rosalind W.	01/01/19	10/31/19	87,670	233,919	146,249	
		6940563	G	P067952	230321	Guttag /John V	04/01/19	03/31/20	3,551	104,964	101,413	
		6940711	G	P064000	232073	Adalsteinsson /Elfar	09/01/18	05/31/19	59,135	58,788	(347)	
		006637 Allen Institute for Brain Science	6937892	G	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	09/20/17	05/31/19	0	295	295
			6937893	G	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	09/20/17	05/31/18	(2,193)	100,305	0
			6937894	G	P400600	2017-0572 PO# AIP044827	Wickersham /Ian R.	07/01/18	05/31/19	89,514	90,000	486
	006640 Michigan State	6939973	G	P402000	RC109146MIT	Gertler /Frank	03/01/18	02/29/20	164,071	168,109	4,038	
	006742 National Bureau of Economic Research, Inc.	6934629	G	P091000	4117B.MIT	Finkelstein /Amy	03/01/16	04/30/19	0	18,526	18,526	
		6934630	G	P091000	4117B.MIT	Finkelstein /Amy	03/01/16	02/28/17	0	262,531	(0)	
		6936576	G	P091000	4117B.MIT	Finkelstein /Amy	03/01/16	02/28/18	(16,234)	292,321	0	
		6937744	G	P091000	4142F.23.00.00	Suri /Tavneet	09/01/17	05/31/18	0	25,676	1	
		6937964	G	P091000	4125B.05.MIT	Finkelstein /Amy	09/01/17	05/31/18	0	0	(70,105)	
		6937965	G	P091000	4125B.05.MIT	Finkelstein /Amy	09/01/17	05/31/18	0	70,105	70,105	
		6939002	G	P091000	4117B.MIT	Finkelstein /Amy	03/01/18	04/30/19	272,674	308,725	36,051	
		6940132	G	P091020	4126B.MIT	Finkelstein /Amy	08/01/18	05/31/19	64,692	148,626	83,934	
	006815 Tufts Medical Center	6935658	G	P069400	5014371-SERV/U24TR0011	Hirsch /Paula	07/01/16	06/30/17	0	101,130	(0)	
		6936291	G	P061901	100107-00004	Kolandaivelu /Kumaran	01/01/17	06/30/17	0	33,274	12,337	
		6937789	G	P069400	5014371-SERV/U24TR0011	Hirsch /Paula	07/01/17	06/30/18	8,060	135,019	(0)	
		6938098	G	P061901	100107-00006 (HH0448) PI	Kolandaivelu /Kumaran	05/01/17	04/30/18	0	11,725	3,855	
		6939673	G	P061905	PO EP0182273 / 102188-01	Edelman /Elazer R	05/01/18	04/30/19	752,377	762,783	10,406	
	6940174	G	P069400	5014371-SERV/U24TR0011	Hirsch /Paula	07/01/18	06/30/19	76,440	76,278	(162)		

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006829 New York University		6935163	G	P267600	17-A0-00-006701-01	Fujimoto /James G	08/01/16 07/31/17	0	65,925	17,315
		6937655	G	P267600	17-A0-00-006701-01	Fujimoto /James G	08/01/17 07/31/18	20,264	67,574	37,275
		6939036	G	P159300	18-A0-00-1001558-01; PO	Wilson /Matthew A	07/12/18 04/30/19	120,945	214,650	93,705
		6940084	G	P267600	17-A0-00-006701-01	Fujimoto /James G	08/01/16 07/31/19	31,664	72,590	40,926
006875 Northeastern University		6933466	G	P065004	500449-78050	Hogan /Neville	10/01/15 06/30/19	(4,573)	330,144	110,453
		6935020	G	P069201	500489-78051	Griffith /Linda G	08/01/16 07/31/19	1,008,942	1,631,966	(228,104)
		6935732	G	P154500	500514-78051	Sinha /Pawan	01/18/17 12/31/19	42,175	157,043	1,753
		6935967	G	P069201	500489-78051	Alm /Eric J	08/01/16 04/30/19	0	35,000	(20)
		6936932	G	P069201	500489-78051	Griffith /Linda G	05/01/17 04/30/19	91,582	213,003	(323)
		6939773	G	P069201	500489-78051	Griffith /Linda G	10/01/18 04/30/19	32,573	32,500	(73)
006876 Northwestern University		6932474	G	P061901	60039739 MIT	Mirny /Leonid A	05/01/15 04/30/16	0	71,687	(0)
		6934210	G	P061901	60039739 MIT	Mirny /Leonid A	05/01/15 04/30/17	0	56,643	0
		6936799	G	P061901	60039739 MIT	Mirny /Leonid A	05/01/17 04/30/18	0	89,112	2,207
		6939942	G	P061901	60039739 MIT	Mirny /Leonid A	05/01/18 04/30/19	72,475	72,480	5
		6940179	G	P039070	SP0046269-PROJ001311	Boyden /Edward	09/30/18 07/31/19	0	0	0
		6940198	G	P067952	60047352 MIT	Szolovits /Peter	09/01/17 08/31/19	19,885	31,696	11,811
		6940249	G	P039070	SP0046269-PROJ001311	Boyden /Edward	09/30/18 07/31/19	281,591	270,000	(11,591)
006953 Ohio State University		6931585	G	P068100	6004372-MIT; PO RF01392	Larson /Richard Charles	02/01/15 12/31/19	0	0	0
		6931586	G	P068100	6004372-MIT; PO RF01392642	Larson /Richard Charles	02/01/15 12/31/15	0	61,789	0
		6933637	G	P068100	60052953; PO# RF014304	Larson /Richard Charles	01/01/16 12/31/16	0	103,950	(0)
		6934494	G	P068100	60052953	Larson /Richard Charles	01/01/16 12/31/16	0	19,227	0
		6935766	G	P068100	6004372-MIT; PO RF0147	Larson /Richard Charles	01/01/17 12/31/17	0	158,366	0
		6938231	G	P068100	60064327-MIT; PO RF0150	Larson /Richard Charles	01/01/18 12/31/19	(8,525)	103,839	61,170
		6939414	G	P068100	6004372-MIT; PO RF01508164	Larson /Richard Charles	01/01/18 12/31/18	14,248	14,248	(0)
006954 Oklahoma Medi		6933786	G	P402000	0280-04/MIT PO# S170419	Yaffe /Michael B	03/01/16 03/31/18	(3,128)	357,072	0
006977 Harvard School of Public Health		6934628	C	P062000	113113-5096677	Strano /Michael S.	07/15/16 06/30/19	0	135,471	0
		6934864	G	P067952	114506-5096447	Kellis /Manolis	05/02/16 03/31/20	0	1,869	1,869
		6934870	G	P067952	114506-5096447	Kellis /Manolis	05/02/16 03/31/17	0	68,119	0
		6935148	G	P062000	112545-5095784	Prather /Kristala L	09/30/16 07/31/19	9,341	23,687	5,485
		6937001	G	P067952	114506-5096447	Kellis /Manolis	04/01/17 03/31/18	0	84,295	(0)
		6937373	C	P062000	113113-5096677	Strano /Michael S.	07/01/17 06/30/18	(678)	97,406	(0)
		6938889	G	P067952	114506-5096447	Kellis /Manolis	04/01/18 03/31/19	84,445	83,780	(665)
		6939060	C	P062000	113113-5096677	Strano /Michael S.	07/01/18 06/30/19	116,790	116,025	(765)
		6939811	G	P067952	114963-5104790	Barzilay /Regina	07/15/18 03/31/20	32,581	88,394	55,813
		6939891	G	P065004	113098-5109806	Guo /Ming	09/01/18 08/31/19	86,923	52,999	(33,924)
		6940400	G	P165000	117127-5108050	Engelward /Bevin P	09/15/18 06/30/19	39,497	135,425	95,928
		6940743	G	P067952	114506-5096447	Kellis /Manolis	04/01/19 03/31/20	0	81,665	81,665
006983 Oregon Health		6939693	G	P267600	1011660_MIT	Fujimoto /James G	04/01/18 01/31/19	35,887	100,648	64,761
007229 Research Foundation of CHANDLER		6938948	G	P165000	19-4-80311	Dedon /Peter C	01/01/18 08/31/19	128,990	279,267	150,277
		6938950	G	P165000	19-23-80301	Dedon /Peter C	06/01/18 05/31/20	37,189	241,163	203,974
007242 Health Resource		6937415	G	P151000	1R25OD023756	Sassanfar /Mandana	07/01/17 06/30/19	22,603	50,000	10,492
007329 The Scripps Research Institute		6932263	G	P402000	5-52300	Irvine /Darrell J	07/01/15 06/30/19	0	550,754	261
		6934343	G	P402000	5-52765	Irvine /Darrell J	07/01/16 06/30/17	0	351,000	0
		6936745	G	P402000	5-53276	Irvine /Darrell J	07/01/17 06/30/18	(15,802)	350,715	0
		6937773	C	P165000	5-53446	Tannenbaum /Steven R	10/01/17 05/31/18	(2,748)	135,881	(0)
		6938407	G	P069201	5-53517	Lauffenburger /Douglas A	02/01/18 01/31/19	76,332	76,332	(0)
		6938790	C	P165000	5-53702	Tannenbaum /Steven R	06/01/18 05/31/19	124,762	135,881	(167)

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		6938990	G	P402000	5-53735	Irvine /Darrell J	07/01/18	06/30/19	388,919	420,746	31,827
		6940241	G	P069201	5-53937	Lauffenburger /Douglas A	02/01/19	01/31/20	18,287	76,331	58,044
007380 Stanford University		6939774	G	P061901	61917338-28291	Chakraborty /Arup K	08/01/18	03/31/19	93,022	93,022	(0)
		6940874	G	P061901	TBD	Chakraborty /Arup K	04/01/19	03/31/20	30,296	0	(30,296)
007485 Tufts University		6926449	G	P063007	HS4976 SUBCONTRACT A	Buehler /Markus J	06/01/12	05/31/18	0	50,047	321
		6928474	G	P063007	HS4976 SUBCONTRACT A	Buehler /Markus J	06/01/13	05/31/14	0	154,777	(0)
		6932172	G	P063007	HS4976	Buehler /Markus J	05/31/14	05/31/15	0	71,501	(0)
		6932883	G	P063007	HS4976	Buehler /Markus J	05/31/15	05/31/16	0	182,355	0
		6934832	G	P063007	HH4976	Buehler /Markus J	05/31/14	05/31/17	0	479,491	1,342
		6936620	G	P063007	HH4977	Buehler /Markus J	06/01/17	05/31/18	0	180,408	447
		6939293	G	P063007	HH4977 / PO# EP0159433	Buehler /Markus J	06/01/18	05/31/19	125,759	174,341	48,582
		6939624	G	P067952	102188-00001-PETER_SZ	Szolovits /Peter	05/01/18	04/30/19	0	38,423	38,423
		6939893	G	P069201	S-001090	Niles /Jacquin	09/19/18	08/31/19	103,048	190,800	87,752
007529 University of California - Irvine		6930932	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/19	0	4,743	4,743
		6930941	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/15	0	14,466	(0)
		6930942	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/15	0	73,234	(0)
		6930943	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/15	0	51,358	(0)
		6933139	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/15	06/30/16	0	10,181	0
		6933140	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/15	06/30/16	0	143,282	(0)
		6933141	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/15	06/30/16	0	61,219	0
		6935065	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/17	0	135,313	(0)
		6935066	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/17	0	69,006	(0)
		6935067	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/17	0	13,844	0
		6937832	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/18	0	0	0
		6937833	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/18	3,105	18,298	0
		6937834	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/18	50,365	164,972	(0)
		6937835	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/18	1,606	131,187	0
		6938822	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/18	06/30/19	119,221	155,548	36,327
		6938823	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/18	06/30/19	333,944	415,696	81,752
		6938824	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/18	06/30/19	18,169	66,573	48,404
		6939796	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/18	06/30/19	27,747	71,550	43,803
007534 University of California-San Diego		6936867	G	P061901	S9001710	Bhatia /Sangeeta N	07/01/17	06/30/19	218,079	478,533	41,411
		6937078	G	P152000	101443667 (PO# S9001920	Nolan /Elizabeth Marie	06/01/17	08/31/19	160,653	282,000	38,197
007539 University of Ke		6938783	G	P069201	3200001830-18-315	Lauffenburger /Douglas A	04/01/18	03/31/20	132,869	253,104	120,235
007573 Mayo Clinic		6931830	G	P069201	PO 64653198	White /Forest M	05/01/15	04/30/18	(9)	121,180	(0)
		6936547	G	P069201	PO 65286973	White /Forest M	05/01/17	04/30/18	(6,099)	114,975	0
007616 University of Southern California		6937830	G	P400600	96266729	Wickersham /Ian R.	09/20/17	06/30/18	(20,500)	92,986	0
		6939012	G	P400600	96266729 ; REFERENCE 1	Wickersham /Ian R.	07/01/18	05/31/19	90,252	92,986	2,734
007617 University of Minnesota		6937571	G	P400600	A006079901	Harnett /Mark Thomas	07/15/17	06/30/19	71,653	144,451	(3,112)
		6939756	C	P067952	P007183803	Kellis /Manolis	05/01/18	04/30/19	81,561	83,530	1,969
007618 University of Cc		6937623	G	P400600	1555858	Lin /Yingxi	09/21/17	05/14/19	0	0	0
007625 University of California		6934457	G	P402000	2016-3340	Housman /David E	04/01/16	03/31/17	0	220,859	0
		6936684	G	P402000	2016-3340	Housman /David E	04/01/17	03/31/18	0	218,903	0
		6938706	G	P402000	2016-3340	Housman /David E	04/01/18	03/31/19	150,813	216,364	0
		6941042	G	P402000	2016-3340	Housman /David E	04/01/19	03/31/20	45,855	213,925	168,070
007630 University of Pennsylvania		6931139	G	P061901	565369	Bhatia /Sangeeta N	09/20/14	06/30/19	0	96,436	(0)
		6933286	G	P061901	565369	Bhatia /Sangeeta N	09/01/15	08/31/16	0	102,833	0
		6935750	G	P061901	565369	Bhatia /Sangeeta N	09/01/16	08/31/17	0	31,815	1,932
		6938126	G	P061901	565369	Bhatia /Sangeeta N	09/01/17	08/31/18	2,515	15,000	2

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		6938240	C	P039070	573341	Boyden /Edward	11/15/17	05/31/19	375,167	467,243	7,481
		6940083	G	P061901	SUB #565369 / PO# PO# T	Bhatia /Sangeeta N	09/01/18	06/30/19	10,848	8,454	(2,394)
	007637 University of Te	6935645	G	P400600	UTA16-001174	Ghosh /Satrajit S	09/23/16	07/31/19	113,518	241,965	7,655
	007641 University of Michigan	6934493	G	P039070	SUBAWARD NO. 3004053	Boyden /Edward	07/01/16	04/30/20	357,229	819,401	(10,453)
		6938961	G	P402000	SUBK00009075 / PO#3005	Yaffe /Michael B	04/01/18	05/31/19	220,283	218,400	(1,883)
		6939952	G	P402000	SUBK00010385	Yaffe /Michael B	04/01/18	05/31/19	12,907	13,713	805
		6939963	G	P402000	SUBK00010396	Yaffe /Michael B	04/01/18	05/31/19	10,589	10,253	(336)
	007642 University of Massachusetts	6930349	G	P061901	PO WA00463637 / RFS201	Mirny /Leonid A	07/01/14	06/30/18	34,002	317,030	0
		6934313	G	P400600	WA00434051/OSP2016201	Ghosh /Satrajit S	04/15/16	01/31/17	0	9,526	(0)
		6934314	G	P400600	WA00433490/OSP2016196	Ghosh /Satrajit S	04/15/16	01/31/17	0	123,488	0
		6936130	G	P400600	WA00536446 / OSP201620	Ghosh /Satrajit S	02/01/17	01/31/18	0	28,336	0
		6936131	G	P400600	WA00536449/OSP2016196	Ghosh /Satrajit S	02/01/17	01/31/18	0	179,880	(0)
		6937955	G	P159300	18-010032 A00	Miller /Earl K	07/20/17	07/19/19	190,110	267,617	(10,741)
		6938650	G	P400600	WA00434051/OSP2016201	Ghosh /Satrajit S	02/01/18	01/31/19	(13,655)	20,604	1,894
		6938652	G	P400600	OSP2016196	Ghosh /Satrajit S	02/01/18	01/31/19	147,787	175,531	20,731
		6939279	G	P061901	OSP2018099/ PO NO.WA0	Mirny /Leonid A	08/01/18	05/31/19	97,338	99,187	1,849
		6940496	G	P400600	WA00803340/OSP2016201	Ghosh /Satrajit S	02/01/19	01/31/20	6,853	19,489	12,636
		6940498	G	P400600	WA00803347/ OSP201619	Ghosh /Satrajit S	02/01/19	01/31/20	131,625	159,633	28,008
		6933260	G	P061901	WA00363842/OSP2016100	Mirny /Leonid A	09/30/15	07/31/16	0	183,130	(0)
	007654 University of Massachusetts Medical Center	6933357	G	P069850	WA00753479/OSP2017052	Cisse /Ibrahim I	09/30/15	07/31/19	39,807	75,728	(39,807)
		6935160	G	P069850	WA00474875/OSP2017051	Cisse /Ibrahim I	08/01/16	07/31/17	(171)	105,120	(0)
		6935206	G	P061901	WA00474873/OSP2017050	Mirny /Leonid A	08/01/16	07/31/17	0	357,180	0
		6936249	G	P067952	WA00540618/OSP2017186	Kellis /Manolis	02/01/17	01/31/20	0	755	755
		6936250	G	P067952	WA00540618/OSP2017186	Kellis /Manolis	02/01/17	01/31/18	(111,528)	187,557	(0)
		6937122	G	P152000	OSP2018017/PO# WA0056	Shoulders /Matthew D.	07/20/17	03/31/19	7,229	55,692	(0)
		6937565	G	P069850	WA00620169/OSP2017052	Cisse /Ibrahim I	08/01/17	07/31/18	3,339	82,135	0
		6937640	G	P061901	WA00620167 / OSP201705	Mirny /Leonid A	08/01/17	07/31/18	253,211	495,992	(0)
		6938367	G	P067952	WA00665463/OSP2017186	Kellis /Manolis	02/01/18	01/31/20	169,539	240,000	1,094
		6939645	G	P402000	OSP2018125	Anderson /Daniel Griffith	09/10/18	07/31/19	145,219	253,193	107,974
		6939744	G	P061901	WA00753477/ OSP201705	Mirny /Leonid A	08/01/18	07/31/19	307,850	338,121	30,272
		6939859	G	P069850	WA00753479/OSP2017052	Cisse /Ibrahim I	08/01/18	07/31/19	51,576	86,636	35,060
	007669 University of Florida	6940335	G	P067952	WA00805796/OSP2017186	Kellis /Manolis	02/01/19	01/31/20	5,653	240,000	234,347
		6933008	G	P165000	PRIME 00124227, SUB UFI	Dedon /Peter C	09/01/15	08/31/19	65,000	441,936	31,882
	007671 University of Pittsburgh	6939490	G	P067952	UFDSP00012280	Davis /Randall	08/01/17	05/31/19	0	29,193	29,193
		6933995	G	P069201	NO. 0048768 (127337-1)	Lauffenburger /Douglas A	01/15/16	11/30/19	102,668	269,468	1,642
	007672 University of Ka	6939246	G	P065004	0060623 (131345-1)	Hogan /Neville	07/01/18	06/30/19	80,247	133,174	52,927
		6935990	G	P062000	FY2017-077	Doyle /Patrick S	04/01/17	01/31/20	85,241	188,620	46,026
	007680 University of Re	6940288	G	P067952	417479 / URFAO: GR5108	Katabi /Dina	09/30/18	07/31/19	88,933	217,536	128,603
	007719 University of California - San Francisco	6932939	G	P061901	8943SC	Chakraborty /Arup K	08/15/15	04/30/20	101,071	695,166	258,207
		6934999	G	P061901	9574SC	Chakraborty /Arup K	07/01/16	06/30/19	109,627	296,139	68,326
		6935000	G	P061901	9583SC	Chakraborty /Arup K	07/01/16	06/30/19	40,024	355,689	74,243
	007765 Washington University	6930818	G	P063007	WU-15-56	Buehler /Markus J	08/01/14	07/31/19	0	41,697	41,697
		6931688	G	P063007	WU-15-56	Buehler /Markus J	08/01/14	07/31/15	0	90,104	(0)
		6933457	G	P063007	WU-16-102	Buehler /Markus J	08/01/15	07/31/16	0	19,237	0
		6935215	G	P063007	WU-17-149	Buehler /Markus J	08/01/16	07/31/17	0	60,869	4,879
		6937711	G	P063007	WU-18-160	Buehler /Markus J	08/01/17	07/31/19	(6,359)	107,445	46,854
	007845 Yale University	6928778	G	P402000	M14A11743(A09391)	Yaffe /Michael B	09/10/13	05/31/18	(1,814)	1,152,361	(0)
		6935083	G	P402000	GK000523 (CON-80000585	Love /John C	06/01/16	06/30/19	102,561	619,017	216,801
		6936068	G	P402000	M17A12653(A10974)	Love /John C	12/19/16	11/30/19	0	51,462	51,462

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		6936069	G	P402000	M17A12653(A10974)	Love /John C	12/19/16	11/30/17	0	62,330	(0)
		6936332	G	P061901	M17A12653(A10974)	Shalek /Alexander K	12/19/16	11/30/17	0	118,259	(0)
		6937723	G	P402000	GR100963(CON-80001033)	Love /John C	07/01/17	07/31/19	130,108	186,407	26,924
		6937923	G	P061901	GR100963(CON-80001033)	Shalek /Alexander K	07/01/17	07/31/19	33,487	186,525	18,739
		6937937	G	P402000	M17A12653(A10974)	Love /John C	12/01/17	11/30/18	85,408	115,025	(0)
		6937938	G	P061901	M17A12653(A10974)	Shalek /Alexander K	12/01/17	11/30/18	(49,302)	114,992	0
		6940272	G	P402000	M17A12653(A10974)	Love /John C	12/01/18	11/30/19	12,815	110,568	97,753
		6940273	G	P061901	M17A12653(A10974)	Shalek /Alexander K	12/01/18	11/30/19	92,644	110,568	17,924
		6940556	G	P121012	GR105733 (CON-8000170)	Yoeli /Erez	01/11/19	12/31/19	0	8,455	8,455
009906 MIT - Internal C	010085 The Broad Institute, Inc.	6941040	G	P402100	2(GG012789-02)	Fox /James G	05/01/19	04/30/20	2,429	0	(2,429)
		6930971	G	P159300	5610221-5500000694	Tsai /Li-Huei	09/10/14	06/30/20	0	100,898	100,898
		6930972	G	P159300	5610221-5500000694	Tsai /Li-Huei	07/01/14	06/30/15	0	314,214	0
		6931601	G	P267110	5700171-5500000731	Han /Jongyoon	11/18/14	01/31/16	0	185,544	0
		6932661	G	P159300	5610222-5500000694	Tsai /Li-Huei	07/01/15	06/30/16	0	307,464	0
		6933197	G	P402000	5500000814-5000091	Jacks /Tyler E	09/25/15	08/31/19	0	0	0
		6933198	G	P402000	5500000814-5000091	Jacks /Tyler E	09/25/15	08/31/16	0	219,550	(0)
		6933531	G	P267110	5700172-5500000731	Han /Jongyoon	02/01/16	01/31/17	(3,047)	380,385	0
		6934716	G	P159300	5610223-5500000694	Tsai /Li-Huei	07/01/16	06/30/17	0	307,464	(0)
		6934900	G	P402000	5500000814-5000092	Jacks /Tyler E	09/25/15	08/31/17	0	342,050	(0)
		6935801	G	P267110	5700172-5500000731	Han /Jongyoon	01/01/17	01/31/18	2,932	227,574	0
		6937040	G	P402000	5500000814-5000091	Jacks /Tyler E	08/01/17	08/31/18	8,463	280,800	0
		6937168	G	P159300	5610221-5500000694	Tsai /Li-Huei	04/02/17	06/30/18	(43,904)	307,464	(0)
		6938111	G	P267110	5700172-5500000731	Han /Jongyoon	02/01/18	01/31/19	204,588	392,087	(0)
		6939273	G	P159300	5610225-5500000694	Tsai /Li-Huei	04/02/18	06/30/19	349,747	307,464	(42,283)
		6939401	G	P402000	5000094-5500000814	Jacks /Tyler E	09/01/18	08/31/19	226,670	280,800	54,130
		6940011	G	P159300	5610227-5500001212	Tsai /Li-Huei	09/12/18	06/30/19	26,744	0	(26,744)
		6940012	G	P159300	5610227-5500001212	Tsai /Li-Huei	09/12/18	06/30/19	38,234	232,040	193,806
		6940346	G	P267110	5700171-5500000731	Han /Jongyoon	02/01/19	01/31/20	93,594	173,270	79,676
010211 Vanderbilt University Medical Center		6933078	G	P402100	VUMC 36112	Fox /James G	07/01/15	04/29/16	0	44,477	(0)
		6934167	G	P402100	VUMC 36112	Fox /James G	04/30/16	06/30/16	0	24,967	(0)
		6934526	G	P402100	VUMC 36112	Fox /James G	07/01/16	06/30/17	0	163,440	(0)
		6936710	G	P402100	VUMC 36112	Fox /James G	07/01/17	06/30/18	(5,018)	170,000	(0)
		6938922	G	P402100	VUMC 36112	Fox /James G	07/01/18	06/30/19	176,916	169,489	(7,426)
010355 Mayo Clinic Rochester		6936767	G	P402000	MAS-228292 PO#6535310	White /Forest M	06/01/17	05/31/19	0	0	0
		6936768	G	P402000	MAS-228292 PO#6535310	White /Forest M	06/01/17	05/31/18	(3,340)	59,053	0
		6939581	G	P402000	MAS-228292 PO#6535310	White /Forest M	06/01/18	05/31/19	61,286	120,347	59,061
010427 University of Connecticut Health Center		6926485	G	P151054	UCHC6-34616290	Burge /Christopher B	09/21/12	06/30/19	0	402,045	0
		6928552	G	P151054	UCHC6-43110843	Burge /Christopher B	08/01/13	07/31/14	0	373,293	(0)
		6930469	G	P151054	UCHC6-54577930	Burge /Christopher B	08/01/14	07/31/15	0	388,655	0
		6932765	G	P151054	UCHC6-66263781	Burge /Christopher B	08/01/15	07/31/16	0	514,533	0
		6933062	G	P151054	UCHC6-67937397	Burge /Christopher B	09/21/15	07/31/16	0	85,170	0
		6934876	G	P151054	UCHC6-79257861	Burge /Christopher B	08/01/16	07/31/17	0	208,010	(0)
		6936790	G	P151054	UCHC7-88094960-A3	Burge /Christopher B	04/28/17	03/31/19	237,093	449,999	(0)
		6938543	G	P151054	UCHC7-101012378 - CORE	Burge /Christopher B	02/05/18	01/31/19	5,655	40,001	33,070
		6938544	G	P151054	UCHC7-101012378	Burge /Christopher B	02/05/18	01/31/19	13,359	326,266	310,355
		6938545	G	P151054	UCHC7-101012378	Burge /Christopher B	02/05/18	01/31/19	13,859	51,000	34,588
		6940350	G	P151054	UCHC7-101012378 - CORE	Burge /Christopher B	02/05/18	01/31/20	7,013	30,623	23,610

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6940351	G	P151054	UCHC7-101012378 - CORE	Burge /Christopher B	02/05/18	01/31/20	135,664	310,230	174,566
		6940352	G	P151054	UCHC7-101012378 - CORE	Burge /Christopher B	02/05/18	01/31/20	18,074	50,000	31,926
010444 Praevium Rese	6940040	G	P267600	AGMT DTD 9/17/2018	Fujimoto /James G	09/17/18	02/29/20		37,610	75,000	37,390
010888 Superconductin Systems, Inc.	6932990	C	P243020	AGMT. DTD. 9/22/15	Bromberg /Leslie	12/01/15	06/14/19		0	68,152	0
	6938777	C	P243020	AGMT. DTD. 9/22/15	Bromberg /Leslie	01/01/18	06/14/19		182,286	194,846	133
010954 Texas Biomedical Research Institute	6934813	G	P402000	PO 39803	Irvine /Darrell J	07/13/16	06/30/17		0	364,557	0
	6936815	G	P402000	PO 39803	Irvine /Darrell J	07/01/17	06/30/18		39,964	367,196	0
	6939522	G	P402000	PO 39803	Irvine /Darrell J	07/01/18	06/30/19		358,617	364,657	6,040
011005 Icahn School of	6939068	G	P402000	0255-8673-4609	Love /John C	06/01/18	05/31/19		30,800	77,350	46,551
011048 Forsyth Institute	6938467	G	P065004	MIT027850-2605	Buie /Cullen	09/08/17	03/31/19		174,613	375,732	(0)
011215 St. Jude Medica	6937719	G	P402010	111942050-7790535	Love /John C	08/01/17	07/31/18		15,030	53,330	(0)
011558 LeafLabs, LLC	6934221	G	P039070	R43MH109332-01	Boyden /Edward	02/18/16	01/31/18		18,437	292,503	(0)
	6938518	G	P039070	AGREEMENT DATED 9/21	Boyden /Edward	09/21/17	09/30/18		56,067	113,977	57,910
011665 Integrated Laboratory Systems, Inc	6930834	G	P165000	AGREEMENT EFFECTIVE	Engelward /Bevin P	08/19/14	06/30/18		6,473	789,252	0
	6939579	G	P165000	SUB UNDER U44ES02469	Engelward /Bevin P	09/01/18	09/30/19		135,474	262,500	127,026
011810 Stowers Institut for Medical Research	6932380	G	P400600	102108 NIH 0070	Lin /Yingxi	07/01/15	06/30/19		0	47,884	(5,069)
	6934280	G	P400600	102108 NIH0070	Lin /Yingxi	07/01/16	06/30/17		0	47,680	0
	6936701	G	P400600	102108 NIH0070	Lin /Yingxi	07/01/17	06/30/18		9,292	47,380	(0)
	6938968	G	P400600	102108 NIH 0070	Lin /Yingxi	07/01/18	06/30/19		10,262	47,380	37,118
011815 Boulder Nonline	6935482	C	P039070	AGREEMENT DATED 9/27	Boyden /Edward	09/27/16	07/31/18		66,091	245,418	0
011908 Seattle Children's Hospital	6936290	G	P061901	11607SUB	Shalek /Alexander K	07/01/16	06/30/17		0	43,643	0
	6937901	G	P061901	11607SUB	Shalek /Alexander K	07/01/17	06/30/18		(285)	45,183	0
012167 Magee-Women	6932950	G	P066000	RSA 3503	Dao /Ming	09/17/15	05/31/18		764	88,941	(0)
012199 Solid Material S	6936916	C	P243021	SUBCONTRACT EFFECTI	Iwasa /Yukikazu	08/15/17	04/30/18		10	33,710	0
100282 Washington University in St.	6933957	G	P402000	WU-16-329	Irvine /Darrell J	04/01/16	03/31/18		(14,916)	49,920	(0)
100486 La Jolla Institut for Allergy and Immunology	6934303	G	P402000	22496-33-382	Irvine /Darrell J	02/01/16	01/31/17		0	135,419	(0)
	6935739	G	P402000	22497-33-382	Irvine /Darrell J	12/06/16	01/31/18		0	107,389	0
	6938434	G	P402000	22498-33-382	Irvine /Darrell J	02/01/18	01/31/19		126,530	128,090	(0)
	6940706	G	P402000	22496-33-382	Irvine /Darrell J	02/01/19	01/31/20		54,460	174,846	120,386
101030 Enson, Inc.	6935050	G	P267110	AGREEMENT EFFECTIVE	Trumper /David L	08/15/16	07/31/19		0	0	0
	6935051	G	P267110	AGREEMENT EFFECTIVE	Trumper /David L	08/15/16	07/31/19		7,892	101,361	1,331
	6935737	G	P267200	AGREEMENT EFFECTIVE	Trumper /David L	09/01/16	07/31/18		0	13,664	0
101403 Boston Biomed	6935091	G	P061901	115622	Edelman /Elazer R	10/01/16	05/31/19		55,954	312,000	2,553
101427 Massachusetts	6940820	G	P267500	1R01DC016874-01A1	Lang /Jeffrey H	04/01/19	03/31/20		0	120,617	120,617
101870 University of California, Los Angeles	6937422	G	P402000	0125 G VB518	White /Forest M	09/01/17	08/31/18		9,731	135,788	34,208
	6938069	G	P402000	0125 G VB305	White /Forest M	09/25/17	08/31/18		56,911	83,805	0
	6939958	G	P402000	0125 G VB305	White /Forest M	09/01/18	08/31/19		60,991	86,222	25,231
102547 Mayo Clinic	6938482	G	P402000	MAS-237886/PO# 6584450	Chen /Jianzhu	03/01/18	12/31/18		106,006	108,290	0
102938 European Bioinformatics Institute	6937687	G	P067952	2582	Kellis /Manolis	08/01/17	05/31/18		0	8,634	8,634
	6937688	G	P067952	SUBAWARD # 2582 FEDE	Kellis /Manolis	06/01/17	05/31/18		0	165,298	(0)
	6938887	G	P067952	2582	Kellis /Manolis	06/01/18	05/31/19		139,949	148,333	8,384
103085 Janssen Vaccin	6936202	C	P402000	HHSN272200800056C	Love /John C	05/17/17	05/17/20		57,734	151,650	25,097
103206 Institut Pasteur	6938474	G	P061901	4300002726	Mirny /Leonid A	09/01/17	08/31/18		17,315	49,777	(0)
	6939998	G	P061901	1-MIT-NIH-U01-FS	Mirny /Leonid A	09/01/18	03/22/19		0	0	0
104786 DeNovX, LLC	6940412	G	P062000	SBIR DTD 03/22/2019	Myerson /Allan S.	03/22/19	02/29/20		24,014	198,571	174,557
104927 Novopyxis, Inc.	6940061	G	P069201	AGMT DTD 11/29/2018	Weiss /Ron	10/01/18	09/30/19		10,475	67,828	57,353
105967 Board of Regen	6940330	G	P402100	30835-62	Erdman /Susan E	02/01/19	01/30/20		70,017	125,000	54,983

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	<b>Total by Primary Sponsor</b>								<b>132,781,731</b>	<b>556,806,306</b>	<b>104,026,045</b>
000360 U.S. Department of Health and Human Services	000360 U.S. Department of Health and Human Services	6932856	C	P067952	HHSP233201500054C	Brewer /Judith A	09/30/15	09/29/20	0	0	0
		6933023	C	P067952	HHSP233201500054C	Brewer /Judith A	09/30/15	09/29/16	0	500,000	0
		6934898	C	P067952	HHSP233201500054C/DUN	Brewer /Judith A	09/30/16	09/29/17	0	498,196	(0)
		6936835	C	P067952	HHSP233201500054C	Brewer /Judith A	09/30/17	09/29/18	123,584	499,963	0
		6939153	C	P067952	HHSP233201500054C DUN	Brewer /Judith A	09/30/18	09/29/19	349,980	500,000	150,020
	<b>Total by Primary Sponsor</b>								<b>473,564</b>	<b>1,998,159</b>	<b>150,020</b>
000400 NASA - Washington (USE FOR PROPOSALS ONLY)	000400 NASA - Washington (USE FOR PROPOSALS ONLY)	6941063	G	P061094	80NSSC19K0943	Barrett /Steven R. H.	04/29/19	04/28/22	0	92,288	92,288
		6941067	G	P159600	80NSSC19K0335	Schattenburg /Mark L	04/08/19	04/07/21	59,604	700,000	640,396
		002043 Aerospace Corp	G	P401710	AGREEMENT DATED 6-2-	Coster /Anthea J	06/01/16	03/16/19	25,611	104,611	(0)
	002276 ATAC Corporati	6935423	G	P061093	10-1613-MIT	Balakrishnan /Hamsa	10/01/16	03/30/18	(6)	124,994	(0)
		6937561	C	P153000	SUBCONTRACT NO. 17-2	Weiss /Benjamin P	07/01/17	08/31/19	0	59,555	59,555
		6937562	C	P153000	SUBCONTRACT NO. 17-2	Weiss /Benjamin P	07/01/17	08/31/19	177,483	206,485	(22,877)
		6937563	C	P153000	SUBCONTRACT NO. 17-2	Binzel /Richard P	07/01/17	08/31/19	27,432	28,000	(944)
		6937564	C	P153000	SUBCONTRACT NO. 17-2	Zuber /Maria	07/01/17	08/31/19	0	10,000	10,000
		6938278	C	P153000	SUBCONTRACT NO. 17-2	Weiss /Benjamin P	07/01/17	08/31/19	112,634	198,558	35
	005246 Baylor College of Medicine	6936096	G	P061094	7000000324 / TRISH PROJ	Hoffman /Jeffrey A	10/01/16	09/30/19	272,258	663,951	(10,270)
		6937666	G	P402000	NNX16A069A	Langer /Robert S	11/01/17	10/31/19	0	0	0
		6937667	G	P402000	NNX16A069A/PO#7000004	Langer /Robert S	11/01/17	10/31/18	98,114	200,000	4,386
		6939745	G	P402000	NNX16A069A/PO#7000004	Langer /Robert S	11/01/18	10/31/19	173,262	200,000	26,738
	005410 CalTech - Jet Propulsion Lab	6932364	C	P153000	1532689	Soderblom /Jason	06/24/15	09/30/21	28,977	87,047	(3,783)
		6935834	C	P153000	RSA 1569352	de Wit /Julien	02/23/17	03/31/20	0	57,109	297
		6936482	C	P153000	CREI 1576768	Weiss /Benjamin P	05/25/17	09/23/22	265,600	516,715	45,070
		6937443	C	P153000	RSA 1584272	Bosh /Amanda S.	08/01/17	07/02/19	784	10,625	(14)
		6937444	C	P153000	RSA 1585980	Hill /Christopher N	09/19/17	09/18/18	20,657	80,635	0
		6937454	C	P267100	RSA NO. 1572919	Ketterle /Wolfgang	06/01/17	12/01/17	436	436	0
		6938408	C	P159600	1597152	Simcoe /Robert A	02/23/18	01/08/20	4,486	11,750	3,871
		6939724	C	P159600	RSA NO. 1613943	Marshall /Herman	09/21/18	09/27/20	0	10,000	10,000
		6939956	C	P401710	SUBCONTRACT NO. 1610	Knapp /Mary Elizabeth	08/01/18	09/29/19	22,076	29,925	7,849
		6940268	G	P159600	RSA 1610091	Crossfield /Ian Jm	08/01/18	06/19/20	0	13,575	13,575
		6940456	C	P153000	RSA 1626219	Seager /Sara	05/03/19	09/29/19	3,473	30,000	26,527
		6940615	C	P159600	RSA 1622220	Crossfield /Ian Jm	02/05/19	09/27/20	0	11,750	11,750
	005521 Cornell Univers	6939699	G	P153000	83292-11129	Soderblom /Jason	06/11/18	06/10/20	59,076	113,165	54,089
	005935 Georgia Institut	6940429	G	P153000	RK617-G5	Carr /Christopher E	09/01/18	08/31/19	0	63,297	63,297
	006663 Michigan Technological Universit	6937089	G	P065004	SUB 1607060Z6 / PO P010	Hart /Anastasios John	06/15/17	12/31/19	482,385	653,047	(62,342)
		6937520	G	P061093	NNX17AJ32G	Wardle /Brian L	06/15/17	12/31/19	165,196	200,000	(44,290)
		6938436	G	P065004	SUB 1607060Z6 / PO P010	Hart /Anastasios John	01/16/18	12/31/19	8,003	14,150	6,147
		6939521	G	P065004	SUB 1607060Z6 / PO P010	Hart /Anastasios John	09/01/18	12/31/19	12,296	11,800	(496)
		6940754	G	P065004	SUB 1607060Z6 / PO P010	Hart /Anastasios John	05/01/18	12/31/19	2,562	15,279	12,717
		6940950	G	P065004	SUB 1607060Z6 / PO P010	Hart /Anastasios John	06/15/17	12/31/19	0	5,724	5,724
	006960 Old Dominion U	6933006	G	P061093	RF PROJECT NO.: 16-134-	Darmofal /David L	10/01/15	08/18/19	8,781	149,676	(2)
	007005 National Institut	6937296	C	P061093	SUBCONTRACT T13-6500	Hansman /Robert J	09/20/17	04/30/19	79,838	162,000	3
	007070 Pennsylvania S	6935503	G	P159600	5586-MIT-NASA-B07G	Bautz /Marshall W	10/18/16	10/17/19	382,652	681,218	153,638
	007360 Smithsonian Ins	6940590	C	P159600	GO9-20117A	McDonald /Michael A.	02/25/19	02/24/21	0	128,837	128,837
	007362 Space Telescop	6939755	G	P153000	50998	Seager /Sara	10/18/18	02/07/20	61,240	79,636	18,396

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	007372 Southwest Research Institute	6893453	C	P153000	299433Q/SUB UNDER NA	Binzel /Richard P	01/15/02	09/30/19	76,263	938,864	47,745
		6938097	C	P153000	K99059JRG	Binzel /Richard P	06/01/17	09/27/19	18,427	96,308	75,743
	007398 Syracuse Unive	6935422	G	P061093	28469-04461-S01	Haimes /Robert	08/10/16	08/09/19	56,502	198,622	73,081
	007509 Universities Sp	6938190	C	P153000	SOF-06-0160	Person /Michael J	03/01/18	02/29/20	16,417	23,000	2,575
	007534 University of Ca	6937442	G	P159600	93687042 (PO# S9001789)	Canizares /Claude R	07/01/17	03/31/19	22,523	22,622	100
	007615 University of Arizona	6935314	C	P061090	PO 363458	Binzel /Richard P	11/13/16	09/30/20	668,393	2,211,000	1,012,380
		6938420	C	P267500	PO NO. 440148	Hu /Qing	01/01/18	06/30/19	469,802	420,286	(152,519)
	007641 University of Mi	6933514	G	P061093	3003768337	Willcox /Karen E	01/01/16	12/31/17	(0)	199,972	
	007646 University of Ha	6938163	G	P159600	MA1336	Crossfield /Ian Jm	11/01/17	02/16/19	13,807	13,807	0
	007756 Vecna Technol	6939474	G	P065004	STTR DTD. 09/20/2018	Benjamin /Michael R	09/01/18	02/28/19	37,253	37,500	247
	007827 Woods Hole Oc	6935447	G	P067952	A101331	Williams /Brian C	08/15/16	08/14/19	46,876	386,802	278,336
	009990 Accounts Cance	6940154	C	P039000	TBD	Ito /Joichi	12/01/18	12/01/18	0	0	0
	010456 LongWave Pho	6939454	C	P267500	SBIR UNDER 80NSSC18C	Hu /Qing	05/08/18	05/07/20	35,693	225,000	189,307
	102546 TRAC Labs, Inc	6936594	C	P067952	T0093.01-T037	Shah /Julie A	06/09/17	06/08/18	(605)	48,949	0
	104645 FGC Plasma Sc	6939059	C	P065004	STTR DTD. 08/09/2018	Ghoniem /Ahmed F	06/02/18	08/31/19	39,242	40,000	758
Total by Primary Sponsor									4,055,505	10,588,569	2,777,920
000401 NASA - Pasadena	005410 CalTech - Jet Propulsion Lab	6899758	C	P159600	1283622	Richardson /John D	06/01/06	09/29/19	373,939	4,689,839	121,875
		6930713	C	P063007	SUBCONTRACT NO. 1510	Entekhabi /Dara	04/01/14	09/30/19	308,591	1,393,242	142,122
		6932365	C	P153000	CREI 1532602	Weiss /Benjamin P	07/24/15	04/30/19	56,369	80,797	86
		6936100	C	P153000	CREI 1572041	Wunsch /Carl Isaac	03/30/17	11/21/21	275,345	934,000	382,068
		6938099	C	P267111	RSA NO. 1592331	Berggren /Karl K	12/14/17	09/30/18	890	48,301	0
		6938396	C	P067952	CREI 1598315	Shrobe /Howard E	04/01/18	09/30/18	24,814	28,170	3,356
		6938549	C	P267100	RSA NO. 1592882	Ketterle /Wolfgang	12/02/17	09/02/18	0	1,919	319
		6938679	C	P061097	1601016	Miller /David W	04/17/18	09/03/18	10,304	13,650	0
		6938775	C	P267100	RSA NO. 1592882	Ketterle /Wolfgang	12/02/17	09/02/18	2,257	31,801	0
		6938776	C	P267100	RSA NO. 1592882	Vuletic /Vladan	12/02/17	09/02/18	22,503	33,780	0
		6939413	C	P159600	RSA 1611947	Shporer /Abraham-Avi	08/24/18	06/19/20	6,193	18,300	12,107
		6939446	C	P153000	RSA 1612723	Hill /Christopher N	09/10/18	09/19/19	38,504	82,680	44,176
		6939711	C	P061094	SUB# 1613399	Hoffman /Jeffrey A	09/13/18	06/30/19	59,977	60,000	23
		6939828	C	P267200	RSA 1615555	Ram /Rajeev J	10/01/18	09/29/19	26,250	53,000	26,750
		6939866	C	P267100	RSA NO. 1608107	Ketterle /Wolfgang	07/10/18	05/31/19	450	0	(450)
		6939867	C	P267100	RSA NO. 1608107	Ketterle /Wolfgang	07/10/18	05/31/19	39,057	39,500	443
		6939868	C	P267100	RSA NO. 1608107	Vuletic /Vladan	07/10/18	05/31/19	39,458	39,500	42
		6940242	C	P068700	SUBCONTRACT 1619845	Carlone /Luca	12/18/18	09/30/19	92,428	160,655	68,227
		6940477	C	P417000	CREI 1623249	Romano /Giuseppe	02/21/19	08/31/19	35,236	50,000	14,764
		Total by Primary Sponsor									1,412,563
000410 NASA - Marshall Space Flight Center	000410 NASA - Marshall Space Flight Center	6937922	C	P159600	80MSFC17C0012	Marshall /Herman	09/05/17	07/31/20	135,841	513,639	310,274
		6938780	G	P066000	80MSFC18M0033	Schuh /Christopher A	06/21/18	06/20/19	71,727	70,000	(1,727)
	005246 Baylor College	6940836	G	P063000	PO# 7000000843	Buehler /Markus J	01/01/19	12/31/19	0	50,000	50,000
	007360 Smithsonian Ins - Astrophysical Observatory	6895250	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	09/30/21	0	1,700,000	1,700,000
		6895251	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	09/30/21	132,644	2,195,754	(46,873)
		6895252	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	09/30/21	1,030,194	18,428,334	(482,930)
		6895253	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	09/30/21	19,255	2,065,866	(4,104)
		6895254	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	09/30/21	1,509,617	20,754,082	(561,801)
		6895255	C	P159600	SV3-73016	Canizares /Claude R	09/01/03	09/30/21	602,801	11,580,473	(258,006)
		6926645	C	P159600	SV2-82023	Ricker /George R	10/01/12	09/30/21	267,134	2,260,000	26,292

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6927863	G	P159600	GO3-14003A	Huenemoerder /David P	05/06/13	05/05/18	(164)	81,200	0
		6929736	C	P159600	GO4-15091B	Baganoff /Frederick K	03/15/14	03/14/19	61,225	131,280	1,011
		6930733	C	P159600	GO4-15040A	Marshall /Herman	08/12/14	08/11/18	13,855	52,884	0
		6931519	C	P159600	GO5-16009A	Huenemoerder /David P	01/19/15	01/31/19	21,608	46,898	0
		6931555	C	P159600	AR5-16003X	Canizares /Claude R	01/01/15	02/28/20	0	60,997	39,092
		6931726	C	P159600	GO4-15008X	Schulz /Norbert S	03/02/15	03/01/19	37,669	68,010	223
		6932415	G	P159600	GO5-16141X	McDonald /Michael A.	06/19/15	06/18/18	(333)	182,850	0
		6933495	C	P159600	GO5-16044X	Canizares /Claude R	01/07/16	01/06/20	0	30,646	12,044
		6933767	C	P159600	GO6-17109X	Miller /Eric D	01/27/16	02/28/20	0	38,056	27,932
		6934204	C	P159600	GO6-17022X	Huenemoerder /David P	05/04/16	05/03/20	541	38,813	38,272
		6934205	G	P159600	DD5-16077X	Guenther /Hans M	04/08/16	04/07/18	(70)	17,818	0
		6934989	C	P159600	GO6-17134X	Schulz /Norbert S	07/01/16	07/31/20	0	59,281	56,694
		6935007	G	P159600	GO6-17136A	Baganoff /Frederick K	07/14/16	07/13/18	246	17,278	0
		6935013	G	P159600	GO6-17112A	McDonald /Michael A.	08/07/16	08/06/18	(3,590)	42,719	(0)
		6935018	C	P159600	GO6-17128A	McDonald /Michael A.	07/18/16	07/17/19	25,713	20,857	(5,359)
		6935186	C	P159600	GO6-17019X	Guenther /Hans M	06/21/16	09/30/19	4,952	22,491	5,488
		6935501	C	P159600	GO6-17011X	Guenther /Hans M	11/28/16	11/27/19	22,091	57,141	34,736
		6935585	C	P159600	SV7-87005	Schattenburg /Mark L	01/01/17	07/31/19	5,529	74,684	10,094
		6935588	C	P159600	GO6-17021X	Guenther /Hans M	01/10/17	01/09/20	2,235	42,282	40,047
		6935589	C	P159600	GO6-17032X	Chakrabarty /Deepto	02/01/17	01/31/19	205	22,782	0
		6935779	C	P159600	GO7-18015X	Guenther /Hans M	02/06/17	02/05/20	0	53,000	53,003
		6936158	C	P159600	AR7-18001X	Guenther /Hans M	01/01/17	12/31/19	390	84,991	84,601
		6936479	C	P159600	GO7-18025X	Chakrabarty /Deepto	05/09/17	05/08/19	20,812	24,455	10
		6936483	C	P159600	GO7-18002C	Canizares /Claude R	03/09/17	03/08/20	0	25,121	24,467
		6936843	C	P159600	GO7-18135A	Baganoff /Frederick K	07/18/17	07/17/19	6,621	15,857	9,236
		6936844	C	P159600	GO7-18035X	Schulz /Norbert S	06/19/17	06/18/20	8,763	44,890	28,081
		6936846	C	P159600	GO7-18134X	Schulz /Norbert S	05/29/17	05/29/20	390	166,568	166,178
		6937614	C	P159600	GO7-18124X	McDonald /Michael A.	08/22/17	08/21/19	84,209	140,279	239
		6937657	C	P159600	GO7-18012B	Canizares /Claude R	11/13/17	12/13/19	0	15,066	9,999
		6937952	C	P159600	AR8-19001B	Huenemoerder /David P	01/01/18	01/31/20	7,381	23,322	12,734
		6938403	C	P159600	GO8-19111X	McDonald /Michael A.	01/25/18	01/24/20	124,430	287,186	155,150
		6938404	C	P159600	GO8-19103X	McDonald /Michael A.	01/28/18	01/27/20	19,245	40,987	21,742
		6938406	C	P159600	GO8-19038X	Remillard /Ronald A	03/09/18	03/08/20	25,890	63,395	37,505
		6939871	C	P159600	GO8-19011C	Huenemoerder /David P	07/02/18	07/01/20	0	19,999	19,999
		6939903	C	P159600	GO9-20116X	McDonald /Michael A.	09/25/18	01/17/21	50,156	114,180	64,024
		6940085	C	P159600	GO8-19013X	Canizares /Claude R	11/27/18	11/26/20	0	101,674	101,674
		6940210	G	P159600	GO8-19036X	Chakrabarty /Deepto	11/27/18	11/26/20	4,230	31,510	27,280
		6940869	G	P159600	GO9-20019X	Guenther /Hans M	02/25/19	02/24/21	0	33,550	33,550
		6940871	G	P159600	GO8-19084X	Guenther /Hans M	02/25/19	02/24/21	0	51,093	51,093
		6940907	G	P159600	GO9-20014X	Guenther /Hans M	02/25/19	02/24/21	0	53,364	53,364
	007615 University of Ari	6924918	C	P153000	PURCHASE ORDER 6473	Binzel /Richard P	10/01/11	09/30/20	99,826	1,169,461	879,061
<b>Total by Primary Sponsor</b>									<b>4,413,266</b>	<b>63,287,064</b>	<b>2,824,390</b>
000411 NASA - Johnson Space Center	000411 NASA - Johnson Space Center	6932573	G	P061090	NNX15AR20G	Stirling /Leia A.	09/01/15	06/30/19	97,923	758,234	(65)
		6933366	G	P067952	NNX16AC49A	Tedrake /Russell L	12/03/15	12/02/18	137,252	499,044	0
	<b>Total by Primary Sponsor</b>								<b>235,174</b>	<b>1,257,278</b>	<b>(65)</b>
000413 NASA Shared Services	003527 Lowell Observa	6932482	G	P153000	2015-81520	Person /Michael J	05/01/15	09/30/19	49,702	393,152	10,369

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Shared Services Center	005165 Applied Physics Lab of Johns Hopkins	6931748	G	P401710	126755	Zhang /Shun-Rong	04/29/15	12/31/19	44,851	480,000	16,100
		6936841	G	P159600	SUBAWARD 141711	Richardson /John D	05/20/17	08/31/19	30,517	43,589	(21,417)
	005173 Arizona State U	6937931	G	P060600	18-391	Palacios /Tomas	09/28/17	09/27/19	123,877	250,000	108,800
	006876 Northwestern U	6935231	G	P159600	SP0037418-PROJ0010518	Canizares /Claude R	02/01/16	07/19/18	185	67,557	0
	007180 Purdue Univers	6929534	G	P159400	4103-60255	Reilly /John M	04/01/14	03/31/18	(686)	220,000	(0)
		6935856	G	P153000	4103-76778	Soderblom /Jason	08/16/16	08/15/19	54,896	78,279	(13,712)
	007630 University of Pe	6932568	G	P153000	566962/10048151/14976/00	Durham /William B	07/25/15	07/24/19	21,904	30,557	(31)
	007634 University of Ne	6938280	G	P401710	18-028	Erickson /Philip J	09/26/17	09/25/21	41,175	152,000	108,580
	007637 University of Texas - Austin	6934349	G	P153000	UTA16-000512	Wunsch /Carl Isaac	04/01/16	03/31/20	128,237	222,874	11,230
		6935828	G	P159600	UTA17-000296	Vogelsberger /Mark	02/14/17	02/13/20	40,936	145,230	(57,390)
	007676 University of Ca	6935635	G	P061093	00009378	Nguyen /Ngoc Cuong	11/01/16	10/31/19	171,738	449,305	54,516
000420 NASA - Goddard Space Flight Center	011658 University of Id	6933536	G	P153000	AMK162-SB-001	Soderblom /Jason	06/01/15	05/31/19	2,285	39,675	50
	<b>Total by Primary Sponsor</b>								<b>709,619</b>	<b>2,572,218</b>	<b>217,097</b>
	000420 NASA - Goddard Space Flight Center	6921014	G	P153000	NNX10AB27G	Person /Michael J	05/01/10	06/30/18	(255)	920,000	0
		6921436	G	P159600	NNX10AE50G	Bautz /Marshall W	02/01/10	01/31/19	630	636,971	0
		6925951	G	P159600	NNX12AF22G	Bautz /Marshall W	07/01/12	06/30/18	(2,714)	301,706	0
		6926694	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/17/13	0	344,357	(0)
		6927813	G	P153000	NNX13AJ86G	Zuber /Maria	04/25/13	09/30/19	232,122	676,892	7,378
		6927906	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	01/31/21	0	27,752,925	27,752,925
		6928035	G	P153000	NNX13AK98G	Durham /William B	06/12/13	06/11/18	197	345,211	0
		6928070	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/17/13	0	258,649	0
		6928071	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/17/13	0	122,008	(0)
		6928072	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/17/13	0	160,691	0
		6928950	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	826,282	5,357,071	(1,047,293)
		6928951	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	415,240	0	(1,345,895)
		6928952	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	239,255	1,276,372	62,524
		6928954	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	369,812	0	(481,481)
		6928955	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	147,254	300,000	151,266
		6928957	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	18,297	0	(18,297)
		6928958	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	447,145	232,453	(349,234)
		6928959	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	32,336	50,000	17,664
		6928960	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	1,772	2,733,152	(31,469)
		6928961	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	1,569	1,871,074	0
		6928962	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	05/31/17	0	837,825	0
		6928963	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	89	3,833,330	(220,807)
		6928965	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	35	0	(6,301,128)
		6928966	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	06/30/17	(1,274)	2,275,280	0
		6928967	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	144	5,454,783	(8,430)
		6928969	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	100,318	7,092,569	50,430
		6928970	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	22,857	0
		6928971	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	0	(1,413,320)
		6928972	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	0	103,252	(11,644)
		6928973	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	(5,172)	0	(3,614,072)
		6928974	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	1,758,303	0	(2,276,438)
		6928975	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	67,291	3,221,669	(919,503)
		6928977	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	1,447,742	1,686,301	(911,514)
		6928978	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	236,601	452,633	(301,831)

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		6928979	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	1,951	0	(1,058,254)
		6928980	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	(21)	0	0
		6928981	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	(13,918)	2,194,552	(0)
		6928982	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	09/14/20	10	1,018,678	(199,125)
		6928983	C	P159600	NNG14FC03C	Ricker /George R	07/10/17	12/31/20	226,370	0	(491,007)
		6928984	C	P159600	NNG14FC03C	Ricker /George R	05/01/17	12/31/20	(227)	0	(432,470)
		6929185	G	P061097	NNX14AC75G	Cahoy /Kerri	09/20/13	08/31/18	1,073	492,794	0
		6929299	C	P159600	NNG14PJ13C	Ricker /George R	03/01/14	12/31/18	159,630	4,433,467	(0)
		6929461	G	P061097	NNX14AC75G	Cahoy /Kerri	12/20/13	08/31/18	0	290,776	0
		6929462	G	P061097	NNX14AC75G	Cahoy /Kerri	12/20/13	08/31/18	28,000	345,103	0
		6929463	G	P061097	NNX14AC75G	Cahoy /Kerri	12/20/13	03/01/18	(1,190)	388,067	(0)
		6929464	G	P061097	NNX14AC75G	Cahoy /Kerri	12/20/13	08/31/18	7,131	73,171	0
		6930710	G	P063007	NNX14AP38G	Heald /Colette L.	08/14/14	08/13/18	(41,638)	429,367	0
		6930788	G	P153000	NNX14AQ03G	Herring /Thomas A	10/01/14	09/30/18	7,904	587,227	(0)
		6931125	G	P153000	NNX14AK27G	Ono /Shuhei	06/10/14	12/31/18	44,014	391,816	(0)
		6931201	G	P159600	NNX15AC76G	Bautz /Marshall W	02/01/15	01/31/19	37,333	605,158	(0)
		6931280	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	12/21/19	0	4,184,422	47,089
		6931373	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	12/21/18	0	254,142	(0)
		6931397	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	12/21/19	2,702	30,000	4,526
		6931598	C	P159600	NNG14FC03C	Ricker /George R	02/01/15	09/14/20	0	69,717	(81,447)
		6931729	G	P153000	NNX15AH72G	Weiss /Benjamin P	03/31/15	03/30/20	130,478	483,000	69,769
		6931899	G	P159600	NNX15AF85G	Zuber /Maria	02/01/15	04/30/20	485,239	2,869,176	121,594
		6931911	G	P159600	NNX15AF85G	Zuber /Maria	05/01/15	04/30/18	0	28,176	0
		6932021	G	P153000	NNX15AK10G	Smith /David E.	06/10/15	09/30/19	92,819	815,428	287,966
		6932142	G	P153000	NNX15AK23G	Pan /Margaret	09/01/15	08/31/18	67,670	208,872	0
		6932151	G	P153000	NNX15AM35G	Pan /Margaret	01/01/16	06/30/19	83,722	202,327	(35)
		6932218	G	P153000	NNX15AL48G	Soderblom /Jason	05/20/15	05/19/20	51,210	434,593	51,511
		6932313	G	P153000	NNX15AL62G	Weiss /Benjamin P	07/25/15	07/24/19	139,066	474,421	139,163
		6932332	G	P159600	NNX15AL14G	Marshall /Herman	02/20/15	05/20/20	247,076	763,819	95,009
		6932424	G	P159600	NNX15AL14G	Marshall /Herman	02/20/15	05/20/18	0	156,181	(7,797)
		6933422	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	12/21/19	213,583	821,888	106,422
		6933470	G	P159400	NNX16AC98G	Prinn /Ronald G	02/01/16	01/31/21	831,877	4,755,052	1,625,753
		6933471	G	P153000	NNX16AD29G	Grove /Timothy L	01/07/16	01/06/20	109,271	415,000	34,992
		6933633	G	P159600	NNX16AD01G	Schattenburg /Mark L	01/01/16	12/31/19	386,602	1,053,800	56,584
		6933656	G	P267500	NNX16AE93G	Hu /Qing	03/01/16	02/29/20	48,659	600,000	2,007
		6933941	G	P243020	NNX16AG82G	Hutchinson /Ian Horner	03/17/16	03/16/20	129,880	498,389	37,676
		6933942	G	P159600	NNX15AW94G	Bautz /Marshall W	10/01/15	09/30/19	76,737	199,875	81,902
		6934405	G	P153000	NNX16AK97G	Hager /Bradford H	06/01/16	05/31/19	100,116	345,775	(0)
		6934821	G	P153000	NNX15AL62G	Weiss /Benjamin P	07/25/15	07/24/19	30,634	115,000	65,380
		6934904	G	P153000	NNX15AH72G	Weiss /Benjamin P	09/01/16	03/30/20	60,425	248,843	89,284
		6934908	G	P159400	NNX16AN15G	Gao /Xiang	07/13/16	01/12/20	138,267	450,000	12,671
		6934950	G	P159400	NNX16AR47G	Dutkiewicz /Stephanie	08/25/16	08/24/19	276,484	743,668	219,284
		6934986	G	P061097	NNX16AT66A	Saenz-Otero /Alvar	10/01/16	09/30/18	29,210	199,796	(0)
		6934991	G	P159600	NNX16AD01G	Schattenburg /Mark L	09/15/16	12/31/19	0	124,200	85,368
		6935017	C	P159600	NNG14FC03C	Ricker /George R	05/22/13	11/30/16	0	1,275,344	0
		6935310	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	09/30/19	267,040	875,927	218,824

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		6935438	G	P159600	NNX17AC25G	Remillard /Ronald A	01/01/17	12/31/18	9,451	22,282	0
		6935457	G	P159600	NNX15AF85G	Zuber /Maria	01/01/17	04/30/18	0	29,711	(5,675)
		6935490	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	12/21/17	13,809	1,691,243	0
		6935504	G	P159600	NNX17AG43G	Schattenburg /Mark L	01/01/17	02/14/20	670,667	1,792,363	105,647
		6935516	G	P159600	NNX17AC11G	Remillard /Ronald A	01/18/17	01/17/20	10,783	26,147	15,364
		6935566	G	P061097	NNX17AD07G	Cahoy /Kerri	01/16/17	07/31/19	161,914	498,863	18,222
		6935647	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	09/30/19	0	78,500	61,282
		6935648	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	09/30/19	5,170	119,512	48,809
		6935649	C	P061094	NNH17CH01C	Hoffman /Jeffrey A	11/01/15	09/30/19	176,908	485,053	(1,041)
		6935650	C	P068000	NNH17CH01C	Yildiz /Bilge	11/01/15	09/30/19	0	81,691	(255)
		6935718	C	P401710	NNH17CH01C	Hecht /Michael	11/01/15	09/30/19	48,468	220,800	57,927
		6935754	G	P159600	NNX17AE47G	Schattenburg /Mark L	02/01/17	01/31/20	829,531	2,394,334	1,016,954
		6935933	G	P159600	NNX17AG43G	Schattenburg /Mark L	01/01/17	12/31/18	0	36,645	2,418
		6936161	G	P159600	NNX17AG43G	Schattenburg /Mark L	01/01/17	12/31/18	(2,907)	0	0
		6936162	G	P159600	NNX17AG43G	Schattenburg /Mark L	01/01/17	12/31/19	4,355	15,000	6,519
		6936163	G	P159600	NNX17AG43G	Schattenburg /Mark L	01/01/17	12/31/18	9,327	158,746	0
		6936164	G	P159600	NNX17AG43G	Schattenburg /Mark L	01/01/17	12/31/19	0	41,000	33,561
		6936305	G	P401710	NNX17AG98G	Elosegui /Pedro	03/01/17	02/29/20	136,520	264,000	80,625
		6936387	G	P401710	NNX17AG98G	Elosegui /Pedro	03/01/17	02/29/20	81,407	120,436	1,347
		6936571	G	P159600	NNX17AL45G	Shoemaker /David H	05/31/17	05/30/20	27,906	41,553	(21,950)
		6936573	G	P153000	NNX17AJ90G	Seager /Sara	04/18/17	12/31/18	1,304	49,927	0
		6936894	G	P159600	80NSSC17K0048	Pasham /Dheeraj Ranga Reddy	06/28/17	06/27/19	0	31,571	29,787
		6936958	G	P401710	80NSSC17K0125	Pankratius /Victor	08/01/17	07/31/19	136,965	302,497	12,163
		6937025	G	P153000	80NSSC17K0125	Herring /Thomas A	08/01/17	07/31/19	142,572	292,213	44,683
		6937152	G	P063007	80NSSC17K0283	Entekhabi /Dara	09/01/17	08/31/19	576,226	1,345,133	567,864
		6937267	G	P159600	80NSSC17K0612	Remillard /Ronald A	10/01/17	09/30/19	13,662	48,430	34,768
		6937283	G	P153000	80NSSC17M0075	Marshall /John C	09/08/17	09/07/20	268,596	733,046	233,855
		6937342	G	P159400	80NSSC17K0561	Dutkiewicz /Stephanie	11/01/17	10/31/20	380,324	773,722	186,125
		6937348	G	P153000	80NSSC17K0773	Grove /Timothy L	09/28/17	09/27/20	147,109	405,130	221,787
		6937545	G	P061090	80NSSC17K0587	Siddiqi /Afreen	09/01/17	08/30/19	114,048	226,529	26,390
		6937853	C	P401710	NNH17CH01C	Hecht /Michael	11/01/17	09/30/19	4,032	7,565	(4,160)
		6937855	G	P159600	80NSSC18K0138	Bautz /Marshall W	01/02/18	01/01/20	300,349	738,000	329,144
		6937888	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/17	12/21/19	956,541	1,969,611	0
		6937974	G	P159600	80NSSC18K0308	Crossfield /Ian Jm	12/15/17	12/14/19	58,534	99,998	17,362
		6938100	G	P153000	80NSSC18K0457	Herring /Thomas A	01/24/18	01/23/22	111,506	325,000	197,348
		6938202	G	P159600	80NSSC18K0676	Bautz /Marshall W	09/01/17	11/30/18	12,061	79,575	0
		6938214	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	12/21/18	5,524	40,042	0
		6938351	G	P153000	80NSSC18K0553	Smith /David E.	03/01/18	03/31/21	1,644	112,411	93,874
		6938432	G	P153000	80NSSC18K0682	Smith /David E.	04/01/18	03/31/20	0	100,000	100,000
		6938488	G	P159600	80NSSC18K0623	Bautz /Marshall W	03/12/18	03/11/20	17,072	56,633	39,561
		6938659	G	P159600	NNX17AE47G	Schattenburg /Mark L	03/15/18	01/31/20	33,881	40,000	5,795
		6938839	G	P159600	80NSSC18K0819	Crossfield /Ian Jm	04/16/18	04/15/20	0	99,999	99,999
		6938929	G	P153000	80NSSC18K0849	DeMeo /Francesca E	07/01/18	08/31/19	155,015	190,201	35,186
		6939050	G	P159600	80NSSC18K1091	Hughes /Scott A	04/02/18	06/30/21	72,324	134,247	61,924

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**Fiscal Year 2019**

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6939248	G	P153000	80NSSC18K1057	Perron /Jay Taylor	06/11/18	06/10/21	35,000	460,704	425,704
		6939260	G	P153000	80NSSC18K1088	Pontefract /Alexandra Janine	07/01/18	06/30/21	106,934	225,451	118,517
		6939272	G	P153000	80NSSC18K1004	DeMeo /Francesca E	06/05/18	06/04/21	40,959	137,107	96,148
		6939461	G	P159600	80NSSC18K1614	Remillard /Ronald A	10/01/18	09/30/19	0	64,775	64,775
		6939501	G	P159600	80NSSC18K1616	Principe /David A	10/01/18	09/30/19	1,486	65,558	64,072
		6939507	G	P159900	80NSSC18K1615	Perez /Kerstin M.	09/01/18	08/31/19	26,210	72,000	45,790
		6939650	G	P159600	80NSSC18K1608	Canizares /Claude R	10/01/18	09/30/19	6,162	58,302	52,140
		6939651	G	P159600	80NSSC18K1643	Richardson /John D	08/27/18	08/26/19	15,619	30,125	14,505
		6939653	G	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	11/30/22	0	46,417	46,417
		6939854	G	P061097	80NSSC18K1677	Cahoy /Kerri	12/01/18	11/30/19	29,918	54,987	25,069
		6939855	G	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	11/30/19	0	21,103	21,103
		6939856	G	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	11/30/19	364	39,728	39,364
		6939857	G	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	11/30/19	11,935	51,201	39,267
		6940013	G	P401710	80NSSC19K0078	Coster /Anthea J	10/26/18	10/25/22	72,167	696,030	623,863
		6940056	G	P159600	80NSSC19K0157	Chakrabarty /Deepti	10/30/18	10/29/19	0	38,895	38,895
		6940064	G	P061090	80NSSC19K0211	Lozano /Paulo C	01/14/19	01/13/22	74,880	145,657	70,776
		6940122	G	P039000	80NSSC19K0205	Wood /Danielle Renee	11/21/18	11/20/21	34,106	180,133	146,027
		6940193	C	P401710	NNG15HZ35C	Elosegui /Pedro	12/22/14	12/21/19	1,029,782	1,413,682	383,900
		6940205	C	P401710	NNH17CH01C	Hecht /Michael	10/01/18	09/30/19	0	21,333	21,333
		6940302	G	P401710	80NSSC19K0262	Goncharenko /Larisa	03/01/19	02/28/22	18,335	58,662	40,327
		6940313	G	P061097	80NSSC19K0217	Cahoy /Kerri	01/14/19	01/13/22	77,894	132,944	55,051
		6940345	G	P401710	80NSSC19K0262	Goncharenko /Larisa	03/01/19	02/28/20	3,768	115,851	112,083
		6940378	G	P153000	80NSSC19K0465	Summons /Roger E	02/13/19	02/12/21	44,195	268,211	224,016
		6940409	G	P153000	80NSSC19K0464	Bergmann /Kristin	02/13/19	02/12/20	0	139,504	139,504
		6940416	G	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	11/30/22	45,501	60,035	14,535
		6940417	G	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	11/30/22	63,762	83,808	20,045
		6940418	G	P401710	80NSSC18K1677	Erickson /Philip J	12/01/18	11/30/22	29,022	46,688	17,666
		6940536	G	P153000	80NSSC19K0471	Seager /Sara	02/13/19	02/12/22	11,625	172,208	160,583
		6940537	G	P159600	80NSSC19K0469	Carr /Christopher E	02/13/19	02/12/22	22,439	150,511	128,072
		6940573	G	P061097	80NSSC19K0217	Cahoy /Kerri	02/01/19	01/13/22	4,399	30,000	25,601
		6940669	G	P159600	NNX17AE47G	Schattenburg /Mark L	04/05/19	10/05/19	9,607	59,500	49,893
		6940728	G	P159600	80NSSC19K0633	Crossfield /Ian Jm	02/27/19	02/26/21	0	6,792	6,792
		6940729	G	P159600	80NSSC19K0634	Remillard /Ronald A	01/01/19	11/26/19	143,692	386,914	243,222
		6940783	C	P401710	NNH17CH01C	Hecht /Michael	05/01/19	09/30/19	0	45,155	45,155
	007362 Space Telescope Science Institute	6933896	C	P159600	HST-GO-14352.009-A	McDonald /Michael A.	04/01/16	03/31/19	3,552	21,876	(0)
		6934283	C	P159600	HST-GO14151.001-A	Frebel /Anna L.	05/01/16	04/30/19	0	35,702	292
		6935185	C	P159600	HST-GO-14698.002-A	Guenther /Hans M	12/01/16	11/30/19	5,734	15,424	9,690
		6935437	C	P159600	HST-GO-14677.006-A	McDonald /Michael A.	12/01/16	11/30/19	1,874	24,439	502
		6935583	C	P159600	HST-GO-14766.004-A	Frebel /Anna L.	12/01/16	11/30/19	0	1,222	1,222
		6935587	C	P159600	HST-GO-13639.014-A	McDonald /Michael A.	02/01/17	09/30/18	(197)	30,080	(0)
		6936157	C	P159600	HST-GO-14896.002-A	McDonald /Michael A.	04/01/17	06/30/19	0	26,238	(41)
		6937649	C	P153000	HST-GO-15304-001-A	de Wit /Julien	11/01/17	10/31/20	21,038	80,927	18,132
		6937777	C	P159600	HST-GO-15129.010-A	Burke /Christopher J	12/01/17	11/30/20	32,850	39,038	6,188
		6937960	C	P159600	HST-GO-14690.001	Guenther /Hans M	06/01/17	05/31/20	713	23,540	22,827
		6937987	C	P159600	HST-GO-14797.015-A	Crossfield /Ian Jm	01/01/18	12/31/20	69,301	86,421	11,580
		6938046	C	P159600	HST-GO-15333.016-A	Crossfield /Ian Jm	01/01/18	12/31/20	65,432	120,970	55,538
		6938438	C	P061097	HST-GO-15217.001-A	Cahoy /Kerri	12/01/17	11/30/21	20,927	22,162	1,235



**Massachusetts Institute of Technology**  
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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6938678	C	P159600	HST-GO-15307.008-A	McDonald /Michael A.	12/01/17	11/30/20	77,348	86,997	9,649
		6938815	C	P159600	HST-GO-15085.001-A	Simcoe /Robert A	06/01/18	05/31/21	1,759	24,941	23,182
		6938918	C	P159600	HST-GO-15163.011-A	Simcoe /Robert A	04/01/18	03/31/21	18,741	49,445	30,704
		6938951	G	P159600	HST-GO-15418.002-A	McDonald /Michael A.	04/01/18	03/31/21	18,231	9,328	(8,903)
		6938955	G	P159600	HST-GO-15378.006-A	McDonald /Michael A.	03/01/18	02/28/21	29,521	29,600	79
		6939475	C	P159600	HST-GO-15315.001-A	McDonald /Michael A.	05/01/18	04/30/21	29,489	41,940	12,451
		6939680	C	P159600	HST-GO-15377.006-A	McDonald /Michael A.	10/01/18	09/30/21	12,174	21,296	9,122
		6940222	C	P159600	HST-GO-15204.001-A	Guenther /Hans M	01/01/19	02/28/22	3,938	14,124	10,186
		6940574	C	P401710	HST-GO-15641.014-A	Matthews /Lynn D.	03/01/19	02/28/22	0	12,879	12,879
	007372 Southwest Res	6939450	C	P153000	L99059JRG	Soderblom /Jason	07/01/18	06/30/20	19,991	156,534	136,543
	007380 Stanford Univer	6934882	G	P061097	61238711-122362	Cahoy /Kerri	05/20/16	06/28/19	49,084	141,802	(3,459)
	102502 Cross Trac Eng	6940038	G	P061097	AGMT DTD 10/19/18	Cahoy /Kerri	10/19/18	09/20/20	85,743	299,963	214,221
	<b>Total by Primary Sponsor</b>								<b>19,007,809</b>	<b>126,583,256</b>	<b>17,919,709</b>
000430 NASA - Ames Research Center	000430 NASA - Ames Research Center	6927163	G	P153000	NNA13AA90A	Summons /Roger E	02/07/13	12/31/19	286,126	4,706,778	67,365
		6927200	G	P153000	NNA13AA90A	Rothman /Daniel H	02/07/13	02/06/14	0	8,267	(0)
		6927201	G	P153000	NNA13AA90A	Bosak /Tanja	02/07/13	02/06/14	0	18,499	0
		6929493	G	P153000	NNA13AA90A	Summons /Roger E	02/07/13	12/31/19	218,632	1,424,319	3,548
		6929495	G	P153000	NNA13AA90A	Bosak /Tanja	02/07/13	12/31/18	281	384,532	(0)
		6929496	G	P153000	NNA13AA90A	Rothman /Daniel H	02/07/13	12/31/19	0	362,055	0
		6929855	G	P039020	NNX14AG47A	Gershenfeld /Neil A	04/01/14	02/28/19	22,704	404,088	(0)
		6930215	G	P061094	NNX14AI58A	Hoffman /Jeffrey A	05/12/14	05/11/18	13,572	38,373	(0)
		6932659	G	P061094	NNX15AW03A	Hoffman /Jeffrey A	08/21/15	08/20/19	67,143	340,000	53,144
		6933510	G	P153000	NNA13AA90A	Bergmann /Kristin	01/01/16	12/31/17	0	29,997	(0)
		6933511	G	P153000	NNA13AA90A	Fournier /Gregory P.	01/01/16	12/31/17	0	80,001	0
		6933707	G	P153000	NNA13AA90A	Fournier /Gregory P.	01/01/16	12/31/17	0	43,313	0
		6937167	G	P061097	80NSSC17K0346	Cahoy /Kerri	08/01/17	07/31/19	75,646	390,118	48,756
		6937243	G	P061090	80NSSC17K0330	de Weck /Olivier L	07/27/17	10/26/18	19,176	99,998	(0)
		6938162	G	P061090	80NSSC18M0045	Lozano /Paulo C	01/16/18	01/15/20	164,218	400,000	177,095
		6938247	G	P061097	80NSSC17K0346	Cahoy /Kerri	08/01/17	07/31/19	11,863	59,882	30,514
		6938442	G	P061097	80NSSC18M0042	Cahoy /Kerri	05/01/18	04/30/20	171,899	400,000	210,348
		6939661	G	P061097	80NSSC18K1579	Cahoy /Kerri	08/17/18	01/15/21	122,138	233,150	111,012
		6940224	G	P153000	80NSSC19K0342	Cziczo /Daniel James	01/01/19	09/30/22	126,067	140,951	14,884
		6940650	G	P039020	80NSSC19M0039	Gershenfeld /Neil A	01/01/19	12/31/19	11,507	78,334	66,826
		6940684	G	P153000	80NSSC19K0342	Cziczo /Daniel James	04/01/19	04/30/20	19,250	200,000	180,750
	005333 Brown Universit	6930189	G	P153000	00000677	Zuber /Maria	03/07/14	02/14/20	194,257	1,218,000	33,448
	007360 Smithsonian Ins - Astrophysical Observatory	6937023	C	P159600	SV8-88004	Bautz /Marshall W	08/21/17	06/30/19	(93)	20,000	20,000
		6937024	C	P159600	SV8-88004	Bautz /Marshall W	08/21/17	06/30/19	98,304	131,179	(22,910)
	007618 University of Cc	6932162	G	P153000	1552615/ PO #1000510992	Ono /Shuhei	04/29/15	12/31/19	110,411	264,456	(24,766)
	<b>Total by Primary Sponsor</b>								<b>1,733,102</b>	<b>11,476,288</b>	<b>970,014</b>
000431 NASA - Langley Research Center	000431 NASA - Langley Research Center	6932633	G	P061093	NNX15AU41A	Allmaras /Steven R.	10/01/15	09/30/19	251,080	999,028	117,736
		6932691	G	P067952	NNX15AQ50A	Roy /Nicholas	09/01/15	08/31/19	142,930	500,000	48,081
		6932709	G	P061090	NNX15AU66A	Wang /Qiqi	09/01/15	08/31/19	79,695	696,444	202,845
		6932719	G	P061090	NNX15AQ50A	How /Jonathan P	09/01/15	08/31/19	55,629	300,000	84,890
	<b>Total by Primary Sponsor</b>								<b>529,334</b>	<b>2,495,472</b>	<b>453,551</b>

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000432 NASA - Glenn Research Center	000432 NASA - Glenn Research Center	6930819	G	P061094	NNX14AT22A	Barrett /Steven R. H.	09/12/14	09/11/19	234,385	1,524,378	107,470
		6937543	G	P062000	80NSSC18K0162	Swan /James W	12/01/17	11/30/19	98,856	165,000	19,372
	<b>Total by Primary Sponsor</b>								<b>333,240</b>	<b>1,689,378</b>	<b>126,842</b>
000500 NSF	000500 NSF	6920422	G	P153000	AST-0907766	Binzel /Richard P	09/01/09	08/31/18	34,123	1,247,100	(0)
		6923256	G	P121012	IIS-1053398	Tucker /Catherine Elizabeth	02/01/11	01/31/19	6,991	464,784	0
		6925021	G	P267100	PHY-1125846	Ketterle /Wolfgang	09/01/11	08/31/17	(16,979)	7,096,142	0
		6925192	G	P159400	EF-1137306	Schlosser /Courtney Adam	02/01/12	09/30/18	102,661	4,540,955	(0)
		6925633	G	P067952	CNS-1138967	Rus /Daniela L	04/01/12	03/31/19	386,628	5,027,651	35
		6926092	G	P067952	CNS-1138967	Matusik /Wojciech	04/01/12	03/31/19	0	758,016	(0)
		6926365	G	P067952	EFRI-1240383	Rus /Daniela L	08/01/12	07/31/18	16,376	1,587,611	(0)
		6926367	G	P067952	CNS-1138967	Rus /Daniela L	04/01/12	03/31/19	349	103,710	0
		6926527	G	P067952	CCF-1161626	Demaine /Erik D	09/01/12	08/31/18	(28,662)	398,092	0
		6926635	G	P067952	IIS-1161731	Adelson /Edward H	09/01/12	08/31/18	47,946	391,709	0
		6926639	G	P401710	AGS-1042569	Zhang /Shun-Rong	09/01/12	08/31/18	(127)	229,259	(0)
		6926661	G	P067952	IIS-1226883	Rus /Daniela L	10/01/12	09/30/19	142,954	1,022,050	84,026
		6926681	G	P094000	IIS-1248066	DeGraff /Michel Anne-Frederic	10/01/12	12/31/18	4,947	1,016,147	(0)
		6926692	G	P095500	SES-1155143	Berinsky /Adam	09/01/12	08/31/18	23,400	386,151	0
		6926845	G	P065004	CNS-1138967	Kim /Sangbae	04/01/12	03/31/19	(5,115)	500,000	(12,081)
		6927085	G	P068700	CCF-1253205	Polyanskiy /Yury	02/01/13	07/31/19	216,272	595,238	(2,382)
		6927119	G	P065004	CBET-1253228	Kamrin /Kenneth N	06/01/13	05/31/19	151,088	420,000	(2,812)
		6927211	G	P062000	DMR-1253306	Olsen /Bradley D.	06/01/13	05/31/19	65,477	500,000	(199)
		6927393	G	P067952	IIS-1226883	Rus /Daniela L	10/01/12	09/30/19	2,307	77,600	(8,147)
		6927411	G	P067952	CCF-1253229	Chlipala /Adam	06/01/13	05/31/18	350	520,000	(0)
		6927611	G	P159600	AST-1255160	Frebel /Anna L.	07/01/13	06/30/19	71,910	816,701	447
		6928077	G	P067952	CCF-1314547	Leiserson /Charles E	06/01/13	06/30/18	(1,024)	1,000,000	1,821
		6928084	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	275,235	3,649,007	(82,229)
		6928085	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	368,418	3,401,029	34,707
		6928086	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	261,971	3,337,005	(39,734)
		6928087	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	50,228	2,676,750	343,295
		6928089	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	200,105	1,080,796	(228,990)
		6928090	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	216,272	4,356
		6928091	G	P400600	CCF-1231216	Poggio /Tomaso A	07/15/13	08/31/19	138,833	2,732,621	32,124
		6928096	G	P067952	AST-1343336	Katabi /Dina	09/15/13	08/31/18	51,125	369,600	(0)
		6928118	G	P154000	DMS-1255203	Demanet /Laurent	07/15/13	06/30/18	(94)	480,000	(0)
		6928281	G	P065004	SMMI-1346638	Hart /Anastasios John	04/01/13	09/30/18	4,386	273,980	0
		6928399	G	P153000	OCE-1338814	Marshall /John C	09/01/13	01/31/20	851,956	4,770,628	245,699
		6928400	G	P165000	CMMI-1334109	Bathe /Mark	01/15/14	12/31/18	107,970	816,960	0
		6928407	G	P154000	DMS-1312831	Edelman /Alan	09/01/13	08/31/18	488,151	2,314,738	(0)
		6928518	G	P165000	CMMI-1334109	Bathe /Mark	01/15/14	12/31/18	68,680	370,439	0
		6928595	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	0	0
		6928652	G	P400600	CCF-1317348	Desimone /Robert	10/01/13	09/30/18	34,054	750,000	0
		6928744	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	208,227	3,021,149	(167,240)
		6928745	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	0	874,969	843,676
		6928792	G	P065004	SMMI-1346638	Hart /Anastasios John	06/01/13	06/30/18	(8,865)	34,716	0
		6928794	G	P065004	SMMI-1346638	Hart /Anastasios John	06/01/13	09/30/18	(58)	7,627	0

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6929092	G	P063007	OCE-1356460	Chisholm /Sallie W	02/01/14	01/31/19	25,306	599,200	0
		6929184	G	P154000	DMS-1350472	Trigo Neri Tabuada /Goncalo Jo	06/01/14	06/30/19	89,710	438,267	69,420
		6929206	G	P267600	MCB-1350625	Lu /Timothy K	01/01/14	12/31/18	79,178	720,669	0
		6929219	G	P067952	EFRI-1240383	Rus /Daniela L	08/01/12	07/31/18	53	62,402	0
		6929235	G	P121012	CMMI-1351619	Vielma Centeno /Juan Pablo	02/01/14	12/31/19	36,518	400,000	3,471
		6929236	G	P065005	CMMI-1351449	Reis /Pedro Miguel	01/01/14	12/31/18	32,948	381,964	0
		6929378	G	P063007	CMMI-1351512	Osorio Pizano /Carolina	09/01/14	08/31/19	80,528	401,000	7,571
		6929379	G	P065004	IIS-1350879	Kim /Sangbae	06/01/14	05/31/19	11,033	400,000	(45)
		6929383	G	P152000	CHE-1352132	Nolan /Elizabeth Marie	03/15/14	02/28/19	7,248	600,000	(0)
		6929491	G	P067952	AST-1343336	Katabi /Dina	12/01/13	08/31/18	(202)	225,699	0
		6929620	G	P061097	CNS-1350685	Karaman /Sertac	03/01/14	02/29/20	70,976	614,397	238,331
		6929738	G	P067952	CNS-1350619	Vaikuntanathan /Vinod	04/15/14	03/31/19	83,833	536,808	(400)
		6929882	G	P152000	CHE-1361865	Field /Robert W	04/01/14	12/31/18	77,219	971,659	0
		6930042	G	P154000	DMS-1406348	Mrowka /Tomasz S	06/01/14	06/30/19	5,546	476,324	(10)
		6930066	G	P152000	CHE-1351646	Johnson /Jeremiah A.	06/01/14	05/31/19	103,585	571,397	4,285
		6930212	G	P067952	IIS-1421065	Winston /Patrick H	07/01/14	06/30/18	2,625	499,114	0
		6930246	G	P153000	OCE-1338814	Marshall /John C	09/01/13	08/31/15	0	29,166	0
		6930250	G	P401710	AGS-1343056	Goncharenko /Larisa	07/01/14	06/30/19	29,837	258,395	(112)
		6930270	G	P159400	OCE-1434007	Dutkiewicz /Stephanie	10/01/14	09/30/18	29,007	531,997	(0)
		6930278	G	P154000	DMS-1406411	Sheffield /Scott Roger	05/01/14	06/30/18	36,158	134,979	(0)
		6930321	G	P159900	PHY-1433156	Williams /Michael	08/01/14	07/31/20	10,851	27,109	2,300
		6930324	G	P153000	AGS-1419667	Solomon /Susan	07/15/14	06/30/18	(2,274)	592,472	(0)
		6930337	G	P067952	CCF-1438969	Jackson /Daniel	09/01/14	08/31/18	12,445	333,333	(0)
		6930346	G	P065005	CMMI-1363167	Yang /Maria	08/01/14	07/31/18	4,972	216,732	(0)
		6930347	G	P152000	CHE-1351807	Pentelute /Bradley L.	08/01/14	07/31/19	30,605	600,000	(0)
		6930361	G	P061096	IIS-1350160	Shah /Julie A	08/01/14	07/31/19	108,023	398,575	241,791
		6930384	G	P153000	EAR-1424892	Ramezani /Jahandar	08/01/14	10/31/18	37,115	254,027	(0)
		6930420	G	P067952	CNS-1413920	Devadas /Srinivas	08/15/14	09/30/20	203,178	732,447	314,341
		6930425	G	P154000	DMS-1362326	Zhao /Yufei	06/01/14	07/31/18	9,937	130,000	(0)
		6930450	G	P067952	CMMI-1426799	Shah /Julie A	08/01/14	08/31/18	28,061	298,726	(0)
		6930464	G	P271000	DRL-1418122	Altman /Micah	08/15/14	08/31/19	164,046	365,480	91,802
		6930474	G	P067952	IIS-1404494	Davis /Randall	09/01/14	08/31/19	44,137	475,004	113,768
		6930478	G	P067952	CCF-1438967	Devadas /Srinivas	09/01/14	08/31/18	28,216	343,588	0
		6930479	G	P063007	EAR-1414499	Nepf /Heidi	08/01/14	07/31/18	5,043	325,416	0
		6930483	G	P267300	PHY-1415514	Orlando /Terry Philip	09/01/14	08/31/18	(58)	360,000	0
		6930498	G	P067952	IIS-1427050	Tedrake /Russell L	08/15/14	07/31/19	204,066	414,334	(6,839)
		6930555	G	P067952	IIS-1420316	Lozano-Perez /Tomas	08/15/14	07/31/18	9,973	450,000	(0)
		6930556	G	P122030	CCF-1442887	Malone /Thomas W	09/01/14	12/31/18	46,791	598,873	(0)
		6930557	G	P065005	IIS-1427050	Rodriguez Garcia /Alberto	08/15/14	07/31/18	0	435,747	(0)
		6930566	G	P062000	ECCS-1449291	Jensen /Klavs F	09/01/14	02/28/19	23,242	434,815	(2,748)
		6930568	G	P401710	ACI-1442997	Pankratus /Victor	10/01/14	10/31/19	290,500	1,424,765	46,921
		6930575	G	P159600	PHY-1404245	Mavalvala /Nergis	08/15/14	07/31/18	(24,761)	675,288	0
		6930579	G	P091000	SES-1427231	Agarwal /Nikhil	06/01/14	08/31/18	1,113	222,786	0
		6930589	G	P401710	AGS-1343045	Coster /Anthea J	09/01/14	08/31/18	7,457	168,643	0
		6930593	G	P159900	PHY-1437402	Milner /Richard G	08/15/14	12/31/18	37,531	272,539	46

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		6930595	G	P067952	IIS-1427547	Roy /Nicholas	08/15/14	07/31/19	14,098	525,000	171,495
		6930599	G	P153000	EAR-1434138	McGee /William David	09/01/14	08/31/18	574	211,662	0
		6930607	G	P154000	CNS-1413920	Etingof /Pavel I	10/01/14	09/30/19	44,697	113,512	38,962
		6930608	G	P067952	CNS-1413920	Goldwasser /Shafrira	08/15/14	09/30/19	159,116	649,791	29,466
		6930609	G	P067952	CNS-1413920	Vaikuntanathan /Vinod	08/15/14	09/30/19	60,401	649,791	6,530
		6930610	G	P067952	CNS-1413920	Kaashoek /M. Frans	08/15/14	09/30/19	228,006	1,154,459	(232,727)
		6930612	G	P153000	EAR-1411552	Ramezani /Jahandar	09/01/14	12/31/18	47,467	357,052	0
		6930632	G	P067952	CNS-1407470	Balakrishnan /Hari	09/01/14	08/31/19	146,528	800,000	162,800
		6930634	G	P067952	CNS-1413905	Clark /David D	08/01/14	09/30/18	92,596	783,577	0
		6930640	G	P153000	EAR-1361319	Durham /William B	09/01/14	12/31/18	15,974	172,890	(0)
		6930652	G	P067952	IIS-1447786	Shavit /Nir N.	08/01/14	08/31/19	26,170	765,000	8,569
		6930670	G	P067952	CNS-1413973	Sollins /Karen R	09/01/14	09/30/19	253,831	1,300,000	100,076
		6930672	G	P159900	PHY-1433156	Williams /Michael	08/01/14	07/31/20	85,341	85,341	0
		6930696	G	P159900	PHY-1437402	Milner /Richard G	08/15/14	07/31/17	0	131,477	0
		6930725	G	P062000	ECCS-1449291	Kulik /Heather Janine	09/01/14	02/28/19	44,556	433,288	0
		6930726	G	P152000	ECCS-1449291	Bawendi /Moungi G	09/01/14	02/28/19	38,168	431,896	0
		6930735	G	P154000	DMS-1362336	Postnikov /Alexander	09/15/14	08/31/18	9,349	199,853	0
		6930762	G	P067952	IIS-1447476	Indyk /Piotr	06/15/15	08/31/19	1,782	250,000	10,894
		6930812	G	P065005	IIS-1427050	Rodriguez Garcia /Alberto	10/01/14	04/30/17	0	24,847	0
		6931164	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	0	148,194	148,194
		6931220	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	177,927	780,000	60,238
		6931221	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	48,000	1,500,000	786,632
		6931222	G	P246000	DMR-1419807	Dalton /Susan D	12/01/14	10/31/20	203,071	961,491	168,547
		6931223	G	P246000	DMR-1419807	Rosevear /Susan G	12/01/14	10/31/20	74,741	503,890	81,071
		6931224	G	P246000	DMR-1419807	Rosevear /Susan G	12/01/14	10/31/20	9,537	66,299	26,550
		6931225	G	P246000	DMR-1419807	Rosevear /Susan G	12/01/14	10/31/20	43,731	330,032	69,709
		6931226	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	108,725	444,067	28,946
		6931227	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	54,168	403,868	51,410
		6931228	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	110,233	404,960	11,995
		6931229	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	116,673	406,363	28,653
		6931230	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	83,921	365,542	18,455
		6931231	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	47,219	475,198	109,822
		6931235	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	220,562	614,000	22,184
		6931236	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	67,342	263,098	1,185
		6931237	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	92,635	285,000	10,079
		6931238	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	72	260,000	53,108
		6931239	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	73,880	385,000	23,615
		6931240	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	46,258	260,000	39,397
		6931241	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/16	0	39,790	0
		6931242	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	86,518	202,443	1,234
		6931243	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	72,389	160,000	5,554
		6931246	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	71,425	501,332	118,057
		6931247	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	109,077	416,332	(5,014)
		6931248	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	56,551	416,332	8,232
		6931249	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	86,851	390,332	15,307
		6931250	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	54,765	416,332	31,132
		6931251	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	29,062	359,332	29,745

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		6931255	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	02/28/18	0	160,064	0
		6931256	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	0	159,971	(0)
		6931257	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	0	159,997	(0)
		6931258	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	12/01/14	10/31/20	0	160,673	(0)
		6931259	G	P062000	CBET-1454299	Roman /Yuriy	01/01/15	12/31/20	27,771	572,471	170,261
		6931380	G	P153000	EAR-1439559	McGee /William David	01/15/15	12/31/18	(0)	355,536	(0)
		6931383	G	P154000	DMS-1454419	Speck /Jared R.	04/01/15	05/31/20	28,470	189,034	0
		6931392	G	P159600	PHY-1404245	Mavalvala /Nergis	01/01/15	07/31/18	0	12,940	0
		6931412	G	P066000	ECCS-1453218	Hu /Juejun	02/15/15	01/31/20	70,212	500,000	(49,641)
		6931413	G	P067952	CCF-1452994	Sanchez Martin /Daniel	02/15/15	01/31/20	110,788	500,000	86,400
		6931425	G	P121012	CMMI-1452875	Zheng /Yanchong	09/01/15	08/31/20	129,098	431,499	75,840
		6931436	G	CCF-1453261	P067952	Moitra /Ankur	04/01/15	06/30/20	45,650	396,320	53,855
		6931457	G	P152000	CHE-1454060	Surendranath /Yogesh	03/01/15	02/29/20	219,856	675,000	2,525
		6931469	G	P152000	DMR-1452612	Dinca /Mircea	03/01/15	05/31/20	121,162	625,000	158,670
		6931511	G	P153000	OCE-1459702	Flierl /Glenn Richard	03/01/15	02/29/20	122,462	351,401	39,044
		6931552	G	P068700	CMMI-1462158	Shah /Devavrat	08/01/15	03/31/20	67,456	175,000	49,539
		6931579	G	P061090	IIS-1453141	Stirling /Leia A.	06/01/15	06/30/20	158,863	502,749	67,125
		6931674	G	P121012	CMMI-1462158	Garnnik /David	08/01/15	07/31/18	0	125,000	(0)
		6931725	G	P153000	EAR-1464024	Faul /Hans Ulrich	04/01/15	03/31/19	(6,547)	248,361	(0)
		6931735	G	P152000	CHE-1464799	Danheiser /Rick Lane	05/01/15	07/31/20	117,110	375,615	122,769
		6931839	G	P154000	DMS-1500219	Postnikov /Alexander	06/01/15	05/31/19	58,906	151,604	(81)
		6931850	G	P069201	CNS-1446474	Weiss /Ron	05/01/15	04/30/19	76,163	1,200,000	0
		6931885	G	P158000	CCF-1452616	Harrow /Aram W.	06/01/15	05/31/20	75,531	600,000	217,838
		6931888	G	P154000	DMS-1500771	Jerison /David S	06/01/15	05/31/20	146,840	385,077	32,063
		6931927	G	P154000	DMS-1502244	Etingof /Pavel I	03/04/15	05/31/20	116,073	661,310	186,878
		6931929	G	P267300	DMR-1507806	Kong /Jing	07/01/15	12/31/18	(532)	410,000	(0)
		6931939	G	P159900	PHY-1505855	Conrad /Janet Marie	02/01/15	08/31/19	709	450,000	281,045
		6931940	G	P154000	DMS-1510305	Pan /Yu	06/01/15	08/31/19	41,523	182,525	24,278
		6931954	G	P267300	DMR-1509197	Kong /Jing	07/01/15	06/30/19	4,967	300,000	(1,743)
		6932000	G	P153000	OCE-1502985	McGee /William David	06/01/15	05/31/19	13,026	161,221	(22)
		6932002	G	P154000	DMS-1404540	Colding /Tobias	05/01/15	05/31/19	56,646	465,000	(0)
		6932004	G	P067952	IIS-1447476	Freeman /William T	09/15/15	08/31/19	83,932	250,000	58,203
		6932014	G	P063007	CCF-1453126	Amin /Saurabh	06/15/15	05/31/20	79,663	400,000	(7,045)
		6932049	G	P066000	DMR-1506605	Hu /Juejun	07/01/15	12/31/18	11,678	251,288	0
		6932050	G	P153000	EAR-1521534	Prieto Gomez /German	07/01/15	06/30/18	118	260,000	0
		6932051	G	P067952	CCF-1512611	Chlipala /Adam	09/01/15	08/31/19	114,530	800,000	100,647
		6932054	G	P153000	AGS-1461517	Emanuel /Kerry Andrew	06/15/15	05/31/19	63,612	525,648	(252)
		6932066	G	P159900	PHY-1505858	Conrad /Janet Marie	05/01/15	09/30/19	966	182,820	80,891
		6932078	G	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/20	251,720	1,701,381	60,891
		6932088	G	P154000	DMS-1500954	Seidel /Paul Alfred	07/01/15	08/31/18	13,322	312,380	0
		6932192	G	P062000	CHE-1452857	Tisdale /William	07/01/15	06/30/20	128,739	550,000	(46,118)
		6932200	G	P267111	ECCS-1509486	Berggren /Karl K	06/15/15	05/31/19	49,376	380,636	7,613
		6932208	G	P154000	DMS-1462401	Staffilani /Gigliola	07/01/15	06/30/19	55,099	251,706	3,206
		6932245	G	P153000	EAR-1451022	Evans /James Brian	08/01/15	07/31/19	(17,122)	300,000	65,943
		6932248	G	P159900	PHY-1505858	Conrad /Janet Marie	06/01/15	09/30/19	740	54,180	4,379
		6932262	G	P153000	DMS-1521765	Andrade Lima /Eduardo	07/01/15	06/30/19	84,293	197,014	2,243
		6932282	G	P063007	AGS-1536551	Kroll /Jesse	07/15/15	06/30/18	124	119,728	0

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		6932288	G	P063007	EAR-1520762	Harvey /Charles F	07/15/15	06/30/19	55,608	149,970	427
		6932291	G	P153000	AGS-1539972	Solomon /Susan	09/01/15	08/31/19	178,423	470,709	61,022
		6932311	G	P154000	CCF-1525130	Shor /Peter Williston	08/01/15	07/31/19	51,259	327,440	14
		6932312	G	P067952	CCF-1533753	Amarasinghe /Saman P	08/01/15	07/31/20	57,599	608,879	186,985
		6932317	G	P400600	CCF-1231216	Poggio /Tomaso A	07/15/13	08/31/19	48,503	1,585,448	142,607
		6932321	G	P039000	IIS-1523118	Breazeal /Cynthia Lynn	09/01/15	08/31/18	52,453	440,885	0
		6932323	G	P069850	DMR-1522575	Lee /Patrick A	07/01/15	07/31/18	21,060	354,000	(0)
		6932324	G	P065004	CMMI-1463181	Hart /Anastasios John	08/01/15	07/31/18	(8,943)	174,985	(0)
		6932336	G	P065005	AGS-1520825	Peacock /Thomas	09/01/15	08/31/20	471,343	2,193,628	631,153
		6932388	G	P067952	CNS-1523572	Devadas /Srinivas	09/01/15	08/31/19	107,247	245,667	12,380
		6932400	G	P063007	PLR-1503966	Entekhabi /Dara	08/15/15	07/31/19	72,168	284,248	32,617
		6932401	G	P153000	OCE-1536515	Ferrari /Raffaele	10/01/15	09/30/19	85,317	423,953	146,069
		6932402	G	P067952	IIS-1524427	Jaakkola /Tommi S	09/01/15	08/31/18	45,633	402,209	(0)
		6932404	G	P067952	CNS-1555796	Clark /David D	08/15/15	07/31/18	29,545	46,954	(0)
		6932425	G	P401710	DUE-1503793	Matthews /Lynn D.	08/15/15	07/31/19	42,007	249,662	22,228
		6932427	G	P069850	DMR-1507047	Tuller /Harry L	05/15/15	07/31/20	125,968	563,989	70,014
		6932428	G	P159900	PHY-1505678	Formaggio /Joseph A	05/17/15	10/31/18	54,155	561,000	(0)
		6932429	G	P121012	CMMI-1537536	Levi /Retsef	09/01/15	08/31/19	60,072	300,000	(0)
		6932432	G	P165000	CCF-1547999	Bathe /Mark	08/01/15	07/31/19	9,941	155,000	26,256
		6932434	G	P095500	SES-1528487	Berinsky /Adam	08/15/15	07/31/20	26,513	588,225	318,555
		6932435	G	P067952	ECCS-1532591	Torralba /Antonio	08/01/15	07/31/19	57,363	805,000	68,335
		6932449	G	P154000	CBET-1510768	Dunkel /Joern	09/01/15	08/31/18	11,027	281,377	(0)
		6932459	G	P062000	CBET-1511526	Blankschtein /Edmundo D	10/01/15	03/31/19	98,262	330,000	0
		6932479	G	P069850	DMR-1534340	Olivetti /Elsa A	08/24/15	06/30/19	303,751	792,585	175,794
		6932480	G	P267100	PHY-1506019	Zwierlein /Martin Wolfram	05/16/15	07/31/19	101,504	460,000	19,385
		6932483	G	P159900	PHY-1505858	Conrad /Janet Marie	05/01/15	09/30/19	207,289	806,000	(101,025)
		6932484	G	P159900	PHY-1505855	Conrad /Janet Marie	02/01/15	04/30/19	(33,817)	225,000	(286,017)
		6932493	G	P067952	CNS-1526791	Balakrishnan /Hari	10/01/15	09/30/19	102,320	500,000	138,810
		6932496	G	P039000	IIS-1527181	Raskar /Ramesh	09/01/15	08/31/18	8,678	423,563	0
		6932501	G	P067952	CCF-1535851	Indyk /Piotr	09/01/15	08/31/19	72,493	500,000	107,554
		6932502	G	P067952	IIS-1513443	Madden /Samuel R	09/01/15	08/31/19	18,795	333,333	9,549
		6932514	G	P067952	CCF-1461559	Lynch /Nancy Ann	09/01/15	08/31/20	218,192	741,436	138,474
		6932517	G	P068700	CNS-1523546	Shah /Devavrat	10/01/15	09/30/20	89,665	500,000	304,020
		6932528	G	P065004	DMS-1517842	Hosoi /Anette E	09/01/15	08/31/18	(1,315)	240,000	(0)
		6932533	G	P154000	DMS-1519580	Etingof /Pavel I	09/01/15	08/31/18	5,585	249,955	0
		6932534	G	P165000	PHY-1454673	Ribbeck /Katharina	09/01/15	08/31/20	182,395	571,864	20,163
		6932537	G	P067952	CCF-1533644	Leiserson /Charles E	09/01/15	03/31/20	519,590	1,775,830	709,934
		6932538	G	P067952	IIS-1524817	Torralba /Antonio	09/01/15	08/31/19	241,328	460,000	43,750
		6932539	G	P068700	CCF-1525705	Win /Moe Z	09/01/15	08/31/19	1,781	175,000	111,534
		6932551	G	P267100	PHY-1506369	Ketterle /Wolfgang	09/01/15	08/31/20	266,860	1,592,920	122,086
		6932557	G	P066000	CMMI-1536233	Ortiz /Christine	06/01/15	08/31/20	85,999	398,508	91,976
		6932558	G	P063007	AGS-1523305	Williams /Earle R	09/01/15	08/31/18	25,259	73,644	0
		6932559	G	P152000	CHE-1463707	Schrock /Richard Royce	09/01/15	08/31/19	129,508	600,000	6,141
		6932578	G	P062000	MCB-1517913	Prather /Kristala L	09/01/15	01/31/19	47,524	370,383	(0)
		6932592	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	09/03/15	10/31/20	0	249,709	0
		6932593	G	P068700	AST-1547331	Modiano /Eytan H	09/01/15	08/31/19	100,755	332,530	62,641
		6932594	G	P069850	DMR-1505947	Thompson /Carl Vernet	06/01/15	08/31/19	122,522	457,389	3,824
		6932595	G	P067952	AST-1547265	Lehr /William H	09/01/15	08/31/18	(22,907)	223,998	(0)
		6932597	G	P067952	IIS-1523767	Lozano-Perez /Tomas	09/01/15	08/31/19	584,321	900,000	(7,905)

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		6932599	G	P067952	CMMI-1547154	Matusik /Wojciech	09/01/15	08/31/19	0	150,000	(11,202)
		6932605	G	P065004	DMS-1512925	Akylas /Triantaphyllos R	09/01/15	08/31/19	72,617	410,109	25,287
		6932610	G	P066000	DMR-1508072	Ortiz /Christine	06/01/15	08/31/19	114,618	390,000	(32,550)
		6932611	G	P065005	ECCS-1550015	Turitsyn /Konstantin	09/15/15	08/31/18	37,288	145,996	(0)
		6932617	G	P159900	PHY-1554875	Winslow /Lindley	03/16/15	09/30/19	124,356	494,122	33,547
		6932621	G	P067952	IIS-1546290	Demaine /Erik D	12/01/15	11/30/19	222,897	500,000	68,486
		6932625	G	P065004	CMMI-1548501	Hogan /Neville	09/01/15	08/31/18	(2,407)	128,940	(0)
		6932627	G	P154500	BCS-1534318	Gibson /Edward A	06/01/15	02/29/20	(10,049)	366,881	2,019
		6932631	G	P065004	CMMI-1547154	Hart /Anastasios John	09/01/15	08/31/19	24,379	150,000	24,021
		6932648	G	P067952	CCF-1533753	Durand /Frederic	08/01/15	07/31/19	159,109	157,201	(35,673)
		6932649	G	P067952	CCF-1533753	Matusik /Wojciech	08/01/15	07/31/19	4,116	78,920	(12,671)
		6932653	G	P154000	DMS-1522526	Sutherland /Andrew Victor	09/15/15	08/31/19	47,287	180,000	4,054
		6932657	G	P097000	PHY-1541160	Kaiser /David I	06/01/15	08/31/19	73,047	900,360	193,157
		6932664	G	P093800	CNS-1542970	Harrell /Douglas Alan	08/15/15	12/31/18	84,147	599,813	0
		6932665	G	P068700	CNS-1524317	Modiano /Eytan H	10/01/15	09/30/19	134,452	460,000	159,381
		6932687	G	P093800	DRL-1508911	Klopper /Eric	09/15/15	08/31/19	75,597	396,998	11,028
		6932688	G	P093800	DGE-1544234	Lane /Suzanne T	09/15/15	08/31/19	1,295	69,520	45,030
		6932689	G	P068700	CNS-1544413	Karaman /Sertac	09/15/15	08/31/19	297,356	500,763	(11,885)
		6932690	G	P067952	CNS-1526815	Rus /Daniela L	10/01/15	09/30/19	71,616	486,117	293,897
		6932700	G	P065004	CNS-1544751	Annaswamy /Anuradha M	09/15/15	08/31/19	90,266	349,983	(17,918)
		6932701	G	P061093	CBET-1507488	Willcox /Karen E	10/01/15	09/30/18	24,340	139,612	(0)
		6932716	G	P267300	CCF-1527270	Medard /Muriel	09/01/15	09/30/18	278	250,594	0
		6932760	G	P067952	CNS-1138967	Matusik /Wojciech	01/01/15	03/31/19	0	185,833	0
		6932921	G	P069201	CBET-0939511	Asada /Haruhiko	09/01/15	08/31/20	67,599	459,337	52,210
		6932922	G	P069201	CBET-0939511	Boyer /Laurie Ann	09/01/15	08/31/20	105,479	475,150	(29,692)
		6932923	G	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/20	156,286	817,721	(50,898)
		6932924	G	P069201	CBET-0939511	Weiss /Ron	09/01/15	08/31/20	188,322	791,837	(47,862)
		6932925	G	P069201	CBET-0939511	Griffith /Linda G	09/01/15	08/31/20	129,207	579,130	(6,114)
		6932926	G	P069201	CBET-0939511	Hammond /Paula T	09/01/15	08/31/20	157,219	417,827	(78,425)
		6932927	G	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/20	3,455,198	11,544,453	2,231,369
		6932928	G	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/20	0	217,811	56,676
		6933142	G	P154000	CNS-1523572	Etingof /Pavel I	09/01/15	08/31/19	17,361	21,000	3,639
		6933159	G	P069850	DMR-1506475	Wen /Xiao-Gang	12/15/15	11/30/18	15,041	511,850	(0)
		6933264	G	P153000	EAR-1552202	Jagoutz /Oliver E	01/01/16	12/31/19	123,731	320,000	8,487
		6933276	G	P065005	EAR-1520825	Lermusiaux /Pierre	09/01/15	08/31/20	102,615	473,671	155,862
		6933277	G	P065005	EAR-1520825	Peacock /Thomas	09/01/15	08/31/20	40,278	63,701	(1,034)
		6933336	G	P067952	CCF-1553428	Madry /Aleksander	01/01/16	12/31/20	98,145	323,438	55,361
		6933337	G	P067952	CCF-1521584	Chlipala /Adam	12/15/15	11/30/20	256,792	1,148,325	82,156
		6933344	G	P267100	PHY-1505862	Vuletic /Vladan	09/01/15	08/31/18	6,138	449,852	0
		6933370	G	P069201	CCF-1521925	Weiss /Ron	12/15/15	11/30/20	92,143	1,452,035	9,137
		6933408	G	P310000	CCF-1521759	Carr /Peter A.	12/15/15	11/30/20	0	0	0
		6933440	G	P067952	IIS-1553284	Jegelka /Stefanie Sabrina	01/15/16	12/31/20	3,654	387,961	222,936
		6933496	G	P065005	ECCS-1554171	Turitsyn /Konstantin	03/01/16	02/28/21	219,454	500,000	25,947
		6933498	G	P069850	DMR-1554891	Checkelsky /Joseph	02/01/16	01/31/21	111,247	422,803	66,451
		6933530	G	P153000	EAR-1551753	King /Robert W	02/01/16	01/31/19	8,107	114,900	0
		6933551	G	P062000	CBET-1554398	Swan /James W	02/01/16	01/31/21	101,744	500,000	157,969
		6933576	G	P153000	EAR-1551321	Grove /Timothy L	03/01/16	02/29/20	72,005	439,000	172,129
		6933670	G	P066000	DMR-1606911	Ross /Caroline A	06/01/16	05/31/19	(19,399)	360,000	893

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		6933710	G	P401710	OPP-1542950	Elosegui /Pedro	03/15/16	02/28/19	13,356	101,581	0
		6933711	G	P069201	CCF-1521925	Lu /Timothy K	12/15/15	11/30/20	(1,926)	618,035	198,208
		6933712	G	P065004	CCF-1521925	Del Vecchio /Domitilla	12/15/15	11/30/20	238,596	618,036	139,722
		6933713	G	P069201	CCF-1521925	Weiss /Ron	12/15/15	11/30/20	2,938	311,894	179,016
		6933727	G	P061094	PLR-1542950	Hoffman /Jeffrey A	03/15/16	02/28/19	42,408	168,374	0
		6933744	G	P063007	CMMI-1562912	Osorio Pizano /Carolina	06/01/16	05/31/20	91,386	338,831	113,163
		6933777	G	P121012	CMMI-1563343	Perakis /Georgia	07/01/16	06/30/20	127,515	395,000	160,782
		6933779	G	P153000	AGS-1547733	Plumb /Raymond Alan	04/01/16	03/31/20	33,312	388,860	21,526
		6933780	G	P061901	PHY-1504942	Mirny /Leonid A	02/15/16	05/31/19	79,708	450,000	394
		6933784	G	P091000	SES-1555071	Wolitzky /Alexander Greenberg	03/01/16	02/28/21	0	457,897	319,239
		6933825	G	P152000	CHE-1565649	Lippard /Stephen James	04/01/16	05/31/18	(8,203)	483,928	(0)
		6933835	G	P153000	OCE-1558702	Follows /Michael J	04/01/16	03/31/20	71,150	176,386	54,025
		6933845	G	P165000	CCF-1564025	Bathe /Mark	04/01/16	03/31/20	208,418	638,493	153,132
		6933873	G	P153000	PLR-1607968	McGee /William David	09/01/16	08/31/19	0	108,531	904
		6933874	G	P063007	AGS-1564495	Heald /Colette L.	09/01/16	08/31/19	169,334	499,248	27,177
		6933910	G	P154000	DMS-1601946	Poonen /Bjorn	06/01/16	05/31/21	113,828	520,000	210,559
		6933939	G	P068700	CCF-1565235	Parrilo /Pablo A	05/01/16	04/30/21	84,554	484,429	(31,867)
		6933947	G	P153000	PLR-1543366	Marshall /John C	04/15/16	03/31/20	187,011	826,678	249,681
		6933960	G	P067952	CNS-1563763	Kaashoek /M. Frans	06/01/16	05/31/20	193,057	900,000	348,640
		6933961	G	P154000	DMS-1600375	Negut /Andrei	06/01/16	06/30/19	56,779	181,200	123
		6933990	G	P154000	DMS-1601953	Bezrukavnikov /Roman	06/01/16	05/31/21	149,233	532,000	97,433
		6933991	G	P067952	CCF-1563880	Shavit /Nir N.	07/15/16	08/31/20	51,639	540,000	30,995
		6933999	G	P091000	SES-1559172	Chernozhukov /Victor V	05/15/16	04/30/19	0	246,218	69,406
		6934004	G	P093800	DRL-1639069	Klopfer /Eric	01/01/16	06/30/20	835,142	2,585,205	198,116
		6934033	G	P066000	ECCS-1607865	Ross /Caroline A	06/01/16	05/31/19	(14,703)	200,000	(2,041)
		6934042	G	P066000	ECCS-1607865	Hu /Juejun	06/01/16	05/31/19	494	200,000	(18,164)
		6934044	G	P091020	SES-1559367	Olken /Benjamin	05/01/16	04/30/20	38,506	101,134	61,707
		6934045	G	P067952	CNS-1138967	Rus /Daniela L	09/01/15	03/31/19	0	24,790	0
		6934051	G	P066000	DMR-1606914	Schuh /Christopher A	09/01/16	08/31/19	1,095	412,533	1,212
		6934119	G	P154000	DMS-1607901	Borodin /Alexei	06/01/16	08/31/19	61,159	300,000	54,971
		6934146	G	P067952	CCF-1565235	Moitra /Ankur	05/01/16	04/30/21	97,553	343,927	(103,441)
		6934147	G	P067952	CCF-1565235	Kelner /Jonathan Adam	05/01/16	04/30/21	92,364	337,298	(53,847)
		6934199	G	P267500	CBET-1605406	Bulovic /Vladimir	06/01/16	05/31/19	33,554	300,000	78,793
		6934203	G	P067952	CCF-1617730	Daskalakis /Konstantinos	06/01/16	06/30/20	80,837	500,000	86,825
		6934246	G	P069850	CBET-1605050	Olivetti /Elsa A	06/01/16	05/31/19	97,695	240,870	(1,165)
		6934297	G	P153000	AGS-1552195	O'Gorman /Paul	07/01/16	06/30/20	120,046	420,185	121,384
		6934317	G	P154500	BCS-1551866	Levy /Roger P	06/01/16	01/31/20	128,235	329,233	69,057
		6934321	G	P154000	DMS-1564458	Maulik /Davesh	07/01/16	06/30/19	52,411	197,500	100
		6934322	G	P062000	CBET-1602406	Doyle /Patrick S	09/01/16	08/31/19	190,240	300,000	34,780
		6934327	G	P153000	PLR-1603557	Marshall /John C	09/01/16	08/31/19	137,057	411,042	32,157
		6934348	G	P159900	PHY-1607225	Williams /Michael	07/01/16	06/30/19	64,998	296,900	(268)
		6934361	G	P267110	ECCS-1609240	Perreault /David J	09/01/16	08/31/19	107,816	265,000	(5,539)
		6934379	G	P065004	IIS-1617403	Jones /Lynette A	07/01/16	06/30/19	146,850	500,000	893
		6934383	G	P159900	ACI-1550172	Roland /Gunther M	07/01/16	06/30/20	3,090	189,500	74,478
		6934418	G	P151072	MCB-1615252	Imperiali /Barbara	07/01/16	06/30/19	105,862	150,000	4,324
		6934434	G	P067952	DRL-1614548	Abelson /Harold	09/01/16	08/31/19	702,802	1,115,000	162,358
		6934446	G	P068700	CMMI-1634259	Shah /Devavrat	09/01/16	08/31/20	22,812	180,000	89,152
		6934447	G	P068000	ECCS-1610806	Li /Ju	07/15/16	06/30/19	60,851	270,000	90,623
		6934452	G	P091000	SES-1558205	Fudenberg /Drew	07/15/16	06/30/20	124,125	302,406	115,402

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		6934458	G	P154500	BCS-1634050	McDermott /Joshua Hartman	07/01/16	06/30/19	102,441	500,000	(1,541)
		6934462	G	P154500	BCS-1627068	Saxe /Rebecca R	07/15/16	12/31/19	213,000	600,000	63,282
		6934466	G	P069850	CMMI-1562567	Allanore /Antoine	08/01/16	01/31/20	(17,044)	140,689	24,012
		6934492	G	P153000	EAR-1622560	Floyd /Michael	08/01/16	07/31/18	8,001	86,497	0
		6934499	G	P065004	CBET-1605547	Buonassisi /Anthony	08/01/16	07/31/19	121,482	300,000	63,775
		6934508	G	P065005	IIS-1637753	Rodriguez Garcia /Alberto	09/01/16	08/31/19	121,225	415,237	12,509
		6934519	G	P267111	EFMA-1641064	Englund /Dirk R.	10/01/16	09/30/20	29,172	424,276	161,418
		6934528	G	P243020	ACI-1640829	Greenwald /Martin J	09/01/16	09/30/19	131,675	500,000	63,156
		6934547	G	P067952	CNS-1563826	Balakrishnan /Hari	06/01/16	05/31/20	214,743	898,333	576,907
		6934551	G	P063007	AGS-1638672	Kroll /Jesse	08/12/16	08/31/19	101,847	541,983	166,246
		6934565	G	P067952	CCF-1650733	Rubinfeld /Ronitt	09/01/16	08/31/18	(66,818)	150,000	(0)
		6934569	G	P067952	CMMI-1644558	Matusik /Wojciech	09/01/16	08/31/19	276	320,000	33,050
		6934580	G	P067952	CNS-1617487	Morris /Robert Tappan	10/01/16	09/30/19	215,005	500,000	57,758
		6934581	G	P061097	ACI-1550487	Marzouk /Youssef M	09/01/16	08/31/19	69,282	524,968	157,319
		6934582	G	P267400	ECCS-1639921	Baldo /Marc A	10/01/16	09/30/19	0	0	0
		6934588	G	P067952	CNS-1650276	Shrobe /Howard E	10/01/16	09/30/18	58,713	149,726	0
		6934590	G	P068700	CNS-1617091	Modiano /Eytan H	10/01/16	09/30/19	87,624	250,000	160,251
		6934592	G	P267100	EFMA-1641064	Cappellaro /Paola	10/01/16	09/30/20	140,900	495,824	128,110
		6934593	G	P267111	EFMA-1641064	Englund /Dirk R.	10/01/16	09/30/20	103,562	1,008,350	104,946
		6934623	G	P267100	PHY-1506019	Zwierlein /Martin Wolfram	05/16/15	07/31/19	0	140,000	17,240
		6934638	G	P067952	CNS-1639994	Weitzner /Daniel J	09/01/16	08/31/19	214,609	300,000	53,300
		6934644	G	P154000	PHY-1620045	Freedman /Daniel Z	09/01/16	08/31/19	(615)	30,000	17,733
		6934660	G	P159900	PHY-1505855	Conrad /Janet Marie	02/01/15	08/31/19	76,029	211,429	1,576
		6934662	G	P067952	CCF-1650733	Daskalakis /Konstantinos	09/01/16	08/31/18	(72,117)	150,000	(0)
		6934663	G	P121012	CMMI-1634259	Farias /Ivivek F.	09/01/16	08/31/19	14,790	180,000	79,147
		6934669	G	P159900	PHY-1626069	Conrad /Janet Marie	09/01/16	08/31/20	52	84,060	84,008
		6934673	G	P267200	IIS-1651190	Hufnagel /Stefanie S	09/01/16	08/31/19	17,186	214,449	20,801
		6934700	G	P267200	CCF-1640012	Soljacic /Marin	09/01/16	08/31/20	18,741	187,340	37,576
		6934701	G	P154000	DMS-1566618	Lusztig /George	05/03/16	08/31/19	57,633	190,000	(2)
		6934702	G	P066000	CBET-1605943	Holten-Andersen /Niels	09/01/16	08/31/19	96,316	250,000	560
		6934703	G	P267111	ECCS-1639921	Liu /Luqiao	10/01/16	09/30/19	21,507	232,334	0
		6934717	G	P067952	IIS-1607189	Shavit /Nir N.	09/01/16	08/31/20	16,497	332,588	50,432
		6934725	G	P152000	CHE-1629358	Johnson /Jeremiah A.	09/15/16	08/31/20	187,705	500,000	84,953
		6934730	G	P153000	EAR-1615426	Fournier /Gregory P.	09/01/16	08/31/20	169,562	1,048,181	409,818
		6934735	G	P067952	IIS-1636766	Madden /Samuel R	09/01/16	08/31/19	48,761	444,000	213,667
		6934753	G	P067952	CNS-1617702	Alizadeh Attar /Mohammadreza	10/01/16	09/30/19	43,683	249,952	29,733
		6934757	G	P154000	DMS-1614043	Bush /John W. M.	09/01/16	08/31/18	14,739	197,116	(0)
		6934765	G	P065004	IIS-1637824	Hogan /Neville	01/01/17	12/31/19	119,740	500,000	152,235
		6934767	G	P159600	PHY-1404245	Mavalvala /Nergis	07/13/15	07/31/18	21,217	57,272	0
		6934794	G	P159900	PHY-1626069	Conrad /Janet Marie	09/01/16	08/31/19	15,820	795,255	690,700
		6934797	G	P153000	EAR-1647504	Weiss /Benjamin P	07/01/16	08/31/20	56,170	385,922	68,917
		6934806	G	P267100	PHY-1506369	Ketterle /Wolfgang	08/01/16	09/01/19	92,468	180,000	(31,079)
		6934829	G	P267300	ECCS-1644588	Zheng /Lizhong	09/01/16	08/31/18	7,524	200,000	(0)
		6934833	G	P065004	IIP-1640678	Buie /Cullen	09/15/16	02/28/18	7,162	199,994	0
		6934840	G	P093800	DRL-1639069	Klopper /Eric	01/01/16	06/30/20	90,325	175,100	(27,766)
		6934847	G	P062000	CHE-1629358	Olsen /Bradley D.	09/01/16	08/31/20	19,481	500,000	274,004
		6934857	G	P401710	AST-1609547	Lonsdale /Colin John	09/15/16	08/31/19	69,684	113,868	13,677
		6934862	G	P067952	IIS-1607486	Rosenholtz /Ruth Ellen	12/01/16	11/30/19	109,321	681,746	389,392
		6934905	G	P153000	EAR-1647504	Weiss /Benjamin P	07/01/16	08/31/20	28,582	462,669	168,317

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		6934952	G	P400600	DRL-1644540	Gabrieli /John D. E.	09/15/16	08/31/20	591,213	1,579,146	554,491
		6934953	G	P401710	AST-1614868	Fish /Vincent L.	09/15/16	08/31/19	99,392	440,795	237,069
		6934974	G	P065005	AGS-1520825	Peacock /Thomas	09/01/15	08/31/20	24,161	80,000	55,839
		6935085	G	P069201	CBET-0939511	Kamm /Roger Dale	06/01/16	08/31/18	0	23,163	0
		6935144	G	P153000	AGS-1623218	Cronin /Timothy Wallace	11/15/16	10/31/19	134,828	269,038	(1,640)
		6935192	G	P154000	CCF-1665252	Mossel /Elchanan	09/01/16	08/31/18	74,986	370,802	0
		6935260	G	P159900	PHY-1554875	Winslow /Lindley	11/01/16	09/30/19	149,217	290,050	39,656
		6935312	G	P152000	CHE-1654415	Willard /Adam P.	09/01/16	11/30/21	138,499	646,243	341,806
		6935315	G	P067952	CMMI-1644558	Rus /Daniela L	09/01/16	08/31/19	39,723	320,000	266,073
		6935335	G	P068000	DMR-1654548	Short /Michael P	06/01/17	05/31/22	192,517	286,227	(134,214)
		6935375	G	P405032	DUE-1646976	Reich /Blair Justin F	12/01/16	11/30/18	20,796	123,762	(0)
		6935406	G	P067952	CCF-1640012	Sanchez Martin /Daniel	09/01/16	08/31/20	59,544	147,780	(173)
		6935407	G	P267111	CCF-1640012	Englund /Dirk R.	09/01/16	08/31/20	10,620	208,840	169,251
		6935493	G	P060600	ECCS-1653553	Liu /Luqiao	02/01/17	01/31/22	108,938	500,000	275,075
		6935539	G	P067952	CMMI-1547130	Mueller /Stefanie	09/01/15	11/30/18	35,641	118,944	(0)
		6935540	G	P152000	MCB-1652390	Shoulders /Matthew D.	10/01/16	12/31/21	242,623	614,180	(19,016)
		6935544	G	P067952	CCF-1723344	Sontag /David Alexander	01/01/17	08/31/20	26,042	399,999	289,720
		6935577	G	P152000	CHE-1724505	Radosevich /Alexander T.	07/01/16	02/28/19	(14,323)	272,243	(0)
		6935593	G	P065004	DMR-1651101	Kolpak /Alexie M	02/01/17	02/01/19	8,983	191,000	(30,011)
		6935655	G	P060600	ECCS-1653100	Han /Ruonan	02/01/17	01/31/22	136,927	500,000	196,560
		6935664	G	P066000	CHE-1653289	Macfarlane /Robert J	02/01/17	01/31/22	500,817	690,238	(52,582)
		6935710	G	P267110	ECCS-1639921	Sze /Vivienne	10/01/16	09/30/19	32,372	83,833	20,254
		6935711	G	P066000	ECCS-1639921	Ross /Caroline A	10/01/16	09/30/19	2,516	83,833	2,873
		6935738	G	P063007	EAR-1659923	Nepf /Heidi	02/15/17	01/31/20	53,758	440,751	256,994
		6935755	G	P060600	CNS-1657303	Shulaker /Max M.	02/15/17	01/31/19	31,629	174,999	0
		6935783	G	P068700	DMS-1651995	Uhler /Caroline	07/01/17	06/30/22	34,040	153,017	18,393
		6935795	G	P066000	DMR-1506605	Hu /Juejun	11/28/16	12/31/18	7,770	45,908	0
		6935796	G	P067952	CCF-1665282	Solar Lezama /Armando	03/01/17	02/28/19	60,033	232,000	35,551
		6935852	G	P401710	AST-1659420	Lonsdale /Colin John	04/01/17	03/31/20	43,874	62,286	14,841
		6935855	G	P154000	DMS-1700338	Ferber /Asaf	06/01/17	06/30/20	54,780	169,975	52,851
		6935870	G	P267111	CCF-1640012	Englund /Dirk R.	03/01/17	08/31/19	24,763	71,500	35,797
		6935877	G	P063007	IOS-1645061	Chisholm /Sallie W	05/01/17	04/30/20	242,010	760,554	283,394
		6935923	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	03/01/17	07/31/18	8,671	160,202	(0)
		6935924	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	03/01/17	09/30/18	33,048	158,939	0
		6935925	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	03/01/17	01/31/19	63,673	159,877	0
		6935926	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	03/01/17	06/30/19	105,232	160,000	80
		6935929	G	P401710	AST-1609547	Lonsdale /Colin John	02/01/17	08/31/19	17,982	35,000	117
		6935945	G	P065005	CBET-1653758	Winter /Amos G	06/01/17	05/31/22	87,999	500,000	320,690
		6936027	G	P068700	CNS-1701964	Modiano /Eytan H	04/01/17	03/31/20	73,474	150,000	76,526
		6936094	G	P065005	IOS-1645061	Buie /Cullen	05/01/17	04/30/20	52,669	104,472	(18,099)
		6936114	G	P063007	CMMI-1702689	Whittle /Andrew	04/01/17	03/31/20	85,339	350,112	168,156
		6936174	G	P067952	CCF-1651838	Williams /Virginia	01/01/17	02/28/22	103,255	250,697	85,816
		6936201	G	P063007	DEB-1655983	Cordero Sanchez /Otto X.	07/01/17	06/30/20	182,956	702,796	239,836
		6936239	G	CCF-1740519	Williams /Virginia	01/01/17	08/31/19	168,261	453,050	192,392	
		6936281	G	P062000	DMR-1709315	Olsen /Bradley D.	09/01/17	08/31/20	124,029	360,000	224,194
		6936297	G	P067952	CCF-1741615	Williams /Richard Ryan	01/01/17	11/30/20	106,651	386,297	129,706
		6936310	G	P154000	DMS-1712596	Rigollet /Philippe	07/01/17	06/30/20	54,893	133,334	19,751
		6936314	G	P267200	CCF-1640012	Soljacic /Marin	05/01/17	08/31/19	937	20,000	(2,534)

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		6936319	G	P065005	CNS-1730389	Wang /Evelyn	07/01/17	06/30/20	111,153	230,000	43,974
		6936321	G	P153000	PLR-1643761	Prieto Gomez /German	05/01/17	06/30/19	67,118	209,116	347
		6936323	G	P154000	DMS-1664619	Gorin /Vadim	04/02/17	06/30/20	104,016	296,607	86,413
		6936337	G	P063007	OCE-1658451	Cordero Sanchez /Otto X.	05/15/17	04/30/20	138,707	412,000	49,953
		6936349	G	P153000	EAR-1702588	McGee /William David	06/01/17	05/31/20	70,839	204,550	81,437
		6936388	G	P243020	PHY-1654168	Gomes Loureiro /Nuno F	06/01/17	05/31/22	109,370	300,000	76,081
		6936389	G	P267300	CNS-1743605	Chan /Vincent W. S.	06/01/17	06/30/19	17,586	66,713	6,386
		6936428	G	P267100	ECCS-1702716	Cappellaro /Paola	09/01/17	08/31/20	160,117	360,000	127,820
		6936429	G	P060085	DUE-1709359	Epstein /Ari W	06/15/17	05/31/20	27,233	54,825	5,409
		6936446	G	P069850	DMR-1608505	Todadri /Senthil	06/01/17	08/31/19	122,751	214,000	23,341
		6936484	G	P067952	CCF-1740525	Williams /Virginia	01/01/17	08/31/19	87,996	219,028	(1,781)
		6936486	G	P401710	AST-1743708	Matthews /Lynn D.	06/01/17	05/31/19	5,420	19,941	(0)
		6936513	G	P154000	DMS-1700127	Lawrie /Andrew W	06/01/17	06/30/20	40,871	97,473	(16,333)
		6936517	G	P154000	DMS-1737944	Mossel /Elchanan	09/01/17	08/31/20	141,039	477,394	320,355
		6936523	G	P065005	CMMI-1661627	Zhao /Xuanhe	06/15/17	05/31/20	167,466	370,000	24,334
		6936531	G	P267300	ECCS-1711027	Zheng /Lizhong	07/01/17	06/30/20	61,779	330,000	134,843
		6936532	G	P061097	DMS-1723011	Marzouk /Youssef M	09/01/17	08/31/20	25,030	110,000	43,718
		6936552	G	P069850	DMR-1743059	Checkelsky /Joseph	03/15/17	05/31/21	14,137	209,906	136,613
		6936557	G	P159600	PHY-1707549	Hughes /Scott A	07/01/17	06/30/20	80,798	359,955	204,939
		6936575	G	P065004	CBET-1706193	Kamrin /Kenneth N	07/01/17	06/30/20	20,001	230,482	172,099
		6936650	G	P159600	PHY-1705940	Evans /Matthew J	07/01/17	06/30/20	81,021	150,000	68,979
		6936652	G	P094000	BCS-1728970	Pesetsky /David	07/01/17	12/31/19	0	16,352	6,299
		6936653	G	P154000	DMS-1707857	Lin /Jianfeng	07/01/17	06/30/20	52,178	152,805	36,934
		6936671	G	P267300	CCF-1717610	Wormell /Gregory W	07/01/17	06/30/20	39,259	500,000	417,240
		6936675	G	P068700	CCF-1717842	Polyanskiy /Yury	07/01/17	06/30/20	28,954	450,000	382,088
		6936680	G	P159600	PHY-1707840	Mavalvala /Nergis	07/01/17	06/30/20	194,256	465,999	107,143
		6936691	G	P153000	EAR-1722935	Jagoutz /Oliver E	07/15/17	06/30/20	58,016	304,959	172,810
		6936697	G	P065004	ECCS-1745547	Annaswamy /Anuradha M	09/01/17	08/31/19	39,434	125,000	24,536
		6936716	G	P153000	OCE-1736996	Boyle /Edward A	08/01/17	07/31/20	276,863	402,825	(17,755)
		6936732	G	P153000	OCE-1736109	Ferrari /Raffaele	09/01/17	08/31/20	62,597	500,078	350,278
		6936733	G	P065004	CMMI-1727189	Del Vecchio /Domitilla	09/01/17	08/31/20	75,437	400,000	245,503
		6936734	G	P068700	ECCS-1743938	Megretski /Alexandre	08/01/17	07/31/19	86,069	160,000	(8,770)
		6936735	G	P152000	CHE-1664799	Cummins /Christopher C	04/01/17	07/31/20	122,348	427,184	57,464
		6936738	G	P121012	CMMI-1727239	Farias /Nivek F.	09/01/17	08/31/20	118,159	471,670	277,074
		6936742	G	P068700	CNS-1713725	Modiano /Eytan H	10/01/17	09/30/20	88,961	500,000	411,039
		6936748	G	P062000	CBET-1704266	Kulik /Heather Janine	08/01/17	07/31/20	67,007	317,245	197,951
		6936751	G	P061901	PHY-1743900	Chakraborty /Arup K	08/01/17	07/31/20	351,983	924,275	388,492
		6936752	G	P154000	DMS-1712862	Sheffield /Scott Roger	08/01/17	07/31/22	141,773	242,875	74,214
		6936760	G	P152000	CHE-1665383	Nelson /Keith Adam	04/15/17	06/30/20	210,873	664,434	214,311
		6936766	G	P154000	DMS-1719637	Rosales /Rodolfo	06/01/17	07/31/20	36,821	123,296	69,075
		6936793	G	P152000	MCB-1715859	Zhang /Bin	08/01/17	07/31/20	253,076	651,038	242,070
		6936816	G	P165000	CHE-1709364	Dedon /Peter C	08/01/17	07/31/20	145,243	287,938	41,076
		6936818	G	P067952	IIS-1723381	Kaelbling /Leslie P	08/15/17	07/31/21	171,293	800,000	619,707
		6936822	G	P243021	DMR-1700137	Moodera /Jagadeesh	06/01/17	07/31/20	138,274	600,000	295,797
		6936823	G	P065005	CBET-1703978	Techet /Alexandra H	06/01/17	07/31/20	30,032	300,000	195,228
		6936824	G	P039000	IIP-1717362	Breazeal /Cynthia Lynn	08/01/17	07/31/20	283,449	999,817	698,534
		6936825	G	P154000	DMS-1707270	Minicozzi /William	08/01/17	07/31/20	80,384	300,181	161,284
		6936827	G	P267300	CNS-1717199	Chan /Vincent W. S.	08/01/17	07/31/20	207,754	498,975	150,229
		6936836	G	P400600	IIS-1744809	Fedorenko /Evelina G	08/01/17	07/31/19	55,485	150,000	(1,026)

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		6936852	G	P067952	CNS-1718161	Vaikuntanathan /Vinod	08/01/17	07/31/20	272,560	500,000	172,078
		6936854	G	P165000	PHY-1707999	Bathe /Mark	08/15/17	07/31/21	60,247	540,000	475,729
		6936855	G	P062000	CMMI-1729304	Rutledge /Gregory C	09/01/17	08/31/21	231,794	1,125,775	834,393
		6936868	G	P402012	PHY-1743900	Sharp /Phillip A	08/01/17	07/31/20	38,683	75,725	35,641
		6936872	G	P069850	DMR-1708280	Kardar /Mehran	08/01/17	08/31/20	82,721	320,000	183,483
		6936873	G	P067952	IIS-1716413	Mueller /Stefanie	08/15/17	07/31/20	67,168	452,916	276,316
		6936874	G	P069201	MCB-1745645	Weiss /Ron	09/01/17	08/31/19	88,163	150,000	0
		6936875	G	P068700	CNS-1735463	Modiano /Eytan H	01/01/18	12/31/21	14,411	725,002	710,592
		6936876	G	P039070	DUE-1734870	Boyden /Edward	09/01/17	08/31/19	179,305	232,363	7,367
		6936911	G	P067952	IIS-1745125	Sontag /David Alexander	01/01/17	06/30/20	38,029	350,764	258,364
		6936915	G	P159600	AST-1716251	Frebel /Anna L.	09/01/17	08/31/21	81,701	430,619	348,918
		6936922	G	P065005	IIS-1637753	Rodriguez Garcia /Alberto	04/20/17	12/31/17	0	14,763	0
		6936935	G	P165000	CHE-1709364	Dedon /Peter C	08/01/17	07/31/20	109,394	222,062	111,914
		6936948	G	P067952	IIS-1723943	Rus /Daniela L	08/15/17	07/31/20	113,867	235,000	94,001
		6936949	G	P065004	BCS-1724135	Hogan /Neville	09/01/17	10/31/20	60,264	300,000	196,769
		6936950	G	P267300	PHY-1720311	Orlando /Terry Philip	09/01/17	08/31/20	87,030	360,000	224,606
		6936994	G	P039000	IIS-1734443	Breazeal /Cynthia Lynn	09/01/17	08/31/21	187,140	882,935	673,321
		6936996	G	P121012	IIS-1718258	Mazumder /Rahul	09/01/17	08/31/20	78,933	318,000	225,115
		6937007	G	P063007	CHE-1709993	Kroll /Jesse	09/01/17	08/31/20	106,305	479,983	291,554
		6937026	G	P095500	SES-1725235	Kim /In Song	08/15/17	07/31/19	104,831	244,293	61,707
		6937028	G	P154000	CMMI-1727565	Bush /John W. M.	06/03/17	08/31/20	138,185	449,933	244,100
		6937030	G	P152000	CHE-1664799	Cummins /Christopher C	04/01/17	07/31/18	0	22,816	0
		6937031	G	P062000	CBET-1705923	Olsen /Bradley D.	09/01/17	08/31/20	51,843	350,000	289,525
		6937033	G	P067952	CCF-1740751	Indyk /Piotr	10/01/17	09/30/20	451,012	868,500	379,380
		6937035	G	P159900	OAC-1739772	Williams /Michael	09/01/17	08/31/20	79,502	275,000	115,775
		6937056	G	P065004	CNS-1644877	Annaswamy /Anuradha M	09/01/17	08/31/19	93,726	200,000	68,545
		6937070	G	P069850	ECCS-1709212	Hu /Juejun	09/01/17	08/31/20	191,773	250,000	10,383
		6937073	G	P153000	AGS-1740533	Cronin /Timothy Wallace	09/01/17	08/31/20	113,957	350,393	229,656
		6937079	G	P039000	CNS-1739723	Adib /Fadel	09/01/17	08/31/20	106,487	320,586	132,378
		6937080	G	P061093	CNS-1739505	Balakrishnan /Hamsa	11/01/17	10/31/20	76,185	449,765	274,800
		6937085	G	P067952	IIS-1741137	Rubinfeld /Ronitt	09/02/17	11/30/20	176,106	450,000	81,271
		6937118	G	P154000	DMS-1711053	Liokumovich /Yevgeniy	06/01/17	08/31/18	14,020	50,757	0
		6937121	G	P165000	CBET-1729397	Bathe /Mark	01/01/18	12/31/21	91,906	770,500	678,594
		6937123	G	P069850	ECCS-1740274	Thompson /Carl Vernet	09/15/17	08/31/20	34,996	98,000	63,004
		6937141	G	P165000	CBET-1729397	Bathe /Mark	01/01/18	12/31/21	102,875	414,750	297,373
		6937142	G	P165000	CBET-1729397	Bathe /Mark	01/01/18	12/31/21	63,949	414,750	305,566
		6937150	G	P152000	CHE-1665383	Nelson /Keith Adam	01/16/17	07/16/17	0	43,110	0
		6937178	G	P067952	CCF-1725303	Mithal /Arvind	07/03/17	09/30/20	99,289	520,001	338,551
		6937189	G	P069850	DMR-1743059	Checkelsky /Joseph	03/01/17	06/16/17	0	2,511	(0)
		6937190	G	P159300	DUE-1734870	Flavell /Steven Willem	09/01/17	08/31/19	94,619	237,500	16,777
		6937191	G	P069850	DUE-1734870	Tegmark /Max Erik	09/01/17	08/31/19	205,850	237,433	(10,256)
		6937202	G	P152000	CHE-1464799	Danheiser /Rick Lane	10/01/14	04/30/15	0	74,385	0
		6937232	G	P405032	DRL-1723459	Reich /Blair Justin F	10/01/17	09/30/19	168,224	300,000	23,173
		6937242	G	P068700	IIS-1741341	Sra /Suvrit	10/01/17	09/30/21	26,815	536,115	466,631
		6937309	G	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	0	0	0
		6937344	G	P267500	CCF-1740184	Kim /Jeewan	09/15/17	08/31/19	79,810	243,624	17,973
		6937350	G	P067952	CCF-1733808	Rubinfeld /Ronitt	09/15/17	08/31/20	157,467	232,999	48,768
		6937380	G	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	0	40,000	22,904
		6937381	G	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	156,781	198,000	(68,083)

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		6937382	G	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	43,768	60,000	9,120
		6937383	G	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	53,914	120,000	17,570
		6937384	G	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	41,827	52,000	(4,790)
		6937385	G	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	24,496	90,000	3,551
		6937386	G	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	0	2,299,740	1,100,000
		6937387	G	P267100	PHY-1734011	Ketterle /Wolfgang	09/01/17	08/31/22	73,022	178,260	69,339
		6937388	G	P267100	PHY-1734011	Cappellaro /Paola	09/01/17	08/31/22	142,540	300,000	48,315
		6937389	G	P267100	PHY-1734011	Vuletic /Vladan	09/01/17	08/31/22	165,125	322,000	21,709
		6937390	G	P267500	PHY-1734011	Chuang /Isaac	09/01/17	08/31/22	4,376	80,000	56,017
		6937391	G	P267100	PHY-1734011	Zwierlein /Martin Wolfram	09/01/17	08/31/22	87,904	200,000	222
		6937482	G	P067952	IIS-1741341	Jegelka /Stefanie Sabrina	10/01/17	09/30/21	14,008	488,248	459,948
		6937523	G	P065005	CNS-1735463	Turitsyn /Konstantin	01/01/18	12/31/21	23,698	74,998	(0)
		6937524	G	P035000	CNS-1735463	Glasmeier /Amy K	01/01/18	12/31/21	112,181	399,898	264,829
		6937566	G	P267111	EFMA-1641064	Englund /Dirk R.	09/27/17	09/30/20	19,871	47,750	(2,396)
		6937588	G	P153000	AGS-1702691	McGee /William David	11/15/17	10/31/20	84,682	120,686	3,053
		6937625	G	P039000	CNS-1739723	Adib /Fadel	09/01/17	08/31/20	3,770	18,000	14,230
		6937641	G	P067952	CCF-1751011	Carbin /Michael James	07/01/18	06/30/23	43,200	102,911	59,711
		6937682	G	P069850	DMS-1664412	Wen /Xiao-Gang	12/01/17	11/30/20	170,362	330,000	158,094
		6937683	G	P067952	CNS-1704172	Morris /Robert Tappan	01/15/18	12/31/21	252,184	384,062	27,350
		6937762	G	P159600	AST-1751096	McDonald /Michael A.	04/02/18	06/30/23	201,860	286,262	77,678
		6937785	G	P066000	CBET-1751925	Olivetti /Elsa A	02/01/18	01/31/23	58,664	189,589	130,925
		6937854	G	P267111	PHY-1734011	Englund /Dirk R.	09/01/17	08/31/22	75,148	200,000	68,809
		6937857	G	P267100	PHY-1734011	Zwierlein /Martin Wolfram	09/01/17	08/31/22	54,320	160,000	10,623
		6937878	G	P066000	DMR-1751736	Jaramillo /Rafael	06/01/18	05/31/23	136,134	176,000	38,580
		6937886	G	P401710	AGS-1242204	Erickson /Philip J	12/01/17	11/30/18	(4,091)	1,048,521	(0)
		6937890	G	P066000	DMR-1751736	Jaramillo /Rafael	06/01/18	05/31/23	7,000	24,000	15,500
		6938059	G	P067952	IIS-1741137	Daskalakis /Konstantinos	09/02/17	11/30/20	189,094	450,000	71,113
		6938130	G	P153000	AGS-1749986	O'Gorman /Paul	03/01/18	02/28/21	62,207	412,144	336,137
		6938134	G	P091000	SES-1757198	Angeletos /George M	04/01/18	03/31/21	128,434	277,000	139,556
		6938148	G	P153000	EAR-1615426	Fournier /Gregory P.	09/01/16	08/31/20	0	7,000	2,309
		6938158	G	P063007	CMMI-1752172	Marelli /Benedetto	04/01/18	03/31/23	83,647	500,000	411,723
		6938166	G	P039000	IIS-1729931	Raskar /Ramesh	03/01/18	02/28/23	22,146	280,000	250,798
		6938167	G	P154000	CCF-1729369	Shor /Peter Williston	03/01/18	02/28/23	556,690	990,741	401,647
		6938220	G	P320000	DGE-1807086	Danielson /Antje	01/01/18	08/31/19	45,737	124,413	56,992
		6938238	G	P401823	SMA-1757344	Murray /Fiona E	04/01/18	03/31/20	237,804	520,037	265,911
		6938253	G	P067952	IIS-1750286	Broderick /Tamara A	03/15/18	02/25/20	94,295	210,221	106,960
		6938254	G	P267111	EFMA-1641064	Englund /Dirk R.	03/01/18	09/30/20	7,537	23,800	1,270
		6938306	G	P153000	AGS-1749851	Cziczko /Daniel James	04/01/18	03/31/21	182,482	623,618	441,136
		6938371	G	P154500	BCS-1829350	Levy /Roger P	11/01/17	07/31/19	89,875	115,338	3,936
		6938373	G	P159600	AST-1824644	Crossfield /Ian Jm	08/01/17	08/31/19	124,446	277,020	148,752
		6938380	G	P154000	DMS-1764454	Ou /Yumeng	04/02/18	06/30/21	15,723	31,858	0
		6938421	G	P091000	SES-1757199	Mikusheva /Anna	05/01/18	04/30/21	107,304	170,113	38,877
		6938427	G	P154000	DMS-1764176	Zhao /Yufei	07/01/18	06/30/21	60,131	180,000	119,869
		6938430	G	P152000	DMR-1809740	Swager /Timothy M	04/01/18	06/30/21	79,812	380,000	299,872
		6938468	G	P069850	DMR-1751739	Comin /Riccardo	02/01/18	04/30/23	129,529	249,120	71,966
		6938530	G	P154000	DMS-1749858	Dyatlov /Semen	07/01/18	06/30/19	6,027	85,000	78,973
		6938531	G	P154000	DMS-1801818	Sacca /Giulia	06/01/18	05/31/19	53,123	190,000	136,877
		6938556	G	P154000	DMS-1810638	Xu /Zhouli	06/01/18	06/30/20	58,677	160,977	99,171
		6938578	G	P154000	DMS-1764403	Staffilani /Gigliola	07/01/18	06/30/21	100,630	160,000	59,370

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		6938598	G	P069850	DMR-1809815	Gedik /Nuh	03/01/18	05/31/21	169,042	523,067	349,833
		6938604	G	P159900	PHY-1801996	Conrad /Janet Marie	01/31/18	04/30/21	297,004	575,455	222,654
		6938606	G	P067952	CNS-1751009	Alizadeh Attar /Mohammadreza	05/15/18	04/30/23	146,608	257,306	110,698
		6938617	G	P154000	DMS-1808794	Mrowka /Tomasz S	07/01/18	06/30/19	108,307	82,635	(25,672)
		6938620	G	P060600	ECCS-1808826	Liu /Luqiao	06/01/18	05/31/21	143,625	360,000	216,375
		6938621	G	P154000	DMS-1838118	Zhang /Wei	06/01/18	06/30/20	117,366	159,446	42,080
		6938645	G	CCF-1810758	CCF-1810758	Lynch /Nancy Ann	06/01/18	05/31/21	63,220	450,000	386,780
		6938711	G	P154000	DMS-1811267	Choi /Kyeongsu	06/01/18	05/31/21	35,217	160,022	112,675
		6938712	G	P154000	DMS-1812142	Colding /Tobias	08/01/18	07/31/21	69,286	165,431	96,145
		6938758	G	P267300	CCF-1816209	Wornell /Gregory W	10/01/18	09/30/21	16,050	498,847	482,797
		6938760	G	P067952	IIS-1763434	Madden /Samuel R	06/01/18	05/31/22	88,376	288,678	200,302
		6938765	G	P066000	ECCS-1808828	Beach /Geoffrey Stephen	03/03/18	05/31/21	193,996	360,000	123,644
		6938820	G	P062000	MCB-1817708	Prather /Kristala L	09/01/18	08/31/21	93,446	400,789	307,343
		6938835	G	P093200	BCS-1823376	Helmreich /Stefan	08/01/18	03/31/19	9,890	9,890	0
		6938891	G	P154000	DMS-1764370	Postnikov /Alexander	07/01/18	06/30/21	39,058	90,000	50,942
		6938892	G	P153000	EAR-1753482	Pec /Matej	07/01/18	06/30/21	109,938	252,788	142,850
		6938897	G	P159600	AST-1814259	Vogelsberger /Mark	06/15/18	08/31/21	77,819	133,681	55,862
		6938934	G	P267100	PHY-1806765	Vuletic /Vladan	08/01/18	07/31/21	99,746	415,000	315,254
		6938936	G	P066000	DMR-1808190	Ross /Caroline A	07/15/18	06/30/21	290,885	450,000	159,115
		6938944	G	P154000	DMS-1760264	Negut /Andrei	07/15/18	06/30/21	29,646	200,000	170,354
		6938947	G	P068100	DMS-1841187	Rakhlin /Alexander	06/01/18	11/30/18	48,139	48,139	0
		6939011	G	P159600	AST-1814053	Vogelsberger /Mark	09/15/18	08/31/21	102,813	87,310	(15,503)
		6939038	G	CCF-1814969	CCF-1814969	Sanchez Martin /Daniel	10/01/18	09/30/21	7,250	450,000	442,750
		6939039	G	P417500	DMR-1809802	Jarillo-Herrero /Pablo	08/01/18	07/31/22	116,360	155,435	39,075
		6939040	G	P062000	CBET-1805566	Brushett /Fikile R	08/01/18	07/31/21	120,226	262,623	142,397
		6939047	G	P152000	CHE-1800410	Field /Robert W	08/01/18	07/31/21	124,120	600,000	475,880
		6939055	G	P152000	CHE-1800301	Cao /Jianshu	04/01/18	06/30/21	80,975	420,000	339,025
		6939069	G	P067952	OPP-1837646	Williams /Brian C	08/01/18	01/31/22	1,301	65,000	63,699
		6939083	G	P152000	CHE-1836913	Cao /Jianshu	05/03/18	07/31/20	72,336	200,000	127,664
		6939093	G	P068700	IIS-1761812	Shah /Devavrat	09/01/18	08/31/21	91,640	500,000	408,360
		6939098	G	P154500	IIS-1815529	Levy /Roger P	05/01/18	07/31/21	143,573	400,000	256,427
		6939101	G	P065004	CBET-1804241	Kolle /Mathias	08/15/18	07/31/21	14,448	180,000	165,552
		6939158	G	P152000	CHE-1828570	Nelson /Keith Adam	08/15/18	07/31/21	342,479	528,546	186,067
		6939161	G	P154000	DMS-1810645	Spolaor /Luca	08/15/18	07/31/21	7,935	157,841	149,906
		6939165	G	P159600	PHY-1836814	Evans /Matthew J	08/15/18	07/31/21	32,978	1,154,304	1,121,326
		6939166	G	P065004	CMMI-1826216	Hart /Anastasios John	08/15/18	07/31/21	57,881	360,000	302,119
		6939170	G	P065004	CMMI-1825731	Kim /Jeewhan	08/15/18	07/31/21	57,434	225,000	167,566
		6939176	G	P067952	IIS-1815585	Matusik /Wojciech	09/01/18	08/31/21	99,853	250,000	150,147
		6939177	G	P067952	IIS-1815372	Matusik /Wojciech	09/01/18	08/31/21	82,026	250,000	167,974
		6939178	G	P065004	MCB-1840257	Del Vecchio /Domitilla	09/15/18	08/31/22	67,380	416,342	348,962
		6939179	G	P061093	CMMI-1841231	Leveson /Nancy G	09/01/18	08/31/19	53,772	124,450	70,678
		6939180	G	P067952	CNS-1812522	Zeldovich /Nickolai	09/01/18	08/31/21	53,389	500,000	446,611
		6939181	G	P067952	CNS-1815221	Madry /Aleksander	08/15/18	07/31/21	62,984	500,000	437,016
		6939184	G	P060600	ECCS-1809917	Han /Ruonan	08/15/18	07/31/21	128,151	330,000	201,849
		6939185	G	P153000	EAR-1827715	Ramezani /Jahandar	09/01/18	08/31/21	57,843	300,612	242,769
		6939231	G	P159600	AST-1836002	Simcoe /Robert A	06/02/18	08/31/22	772,319	1,013,396	241,077
		6939232	G	P065004	CMMI-1762961	Asada /Haruhiko	08/15/18	07/31/21	195,994	396,200	200,206
		6939233	G	P159900	PHY-1806440	Winslow /Lindley	08/15/18	07/31/21	175,911	436,200	260,289
		6939236	G	P067952	EFMA-1830901	Rus /Daniela L	09/01/18	08/31/22	75,534	1,895,890	1,820,356

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		6939238	G	P159600	AST-1828470	Simcoe /Robert A	09/01/18	09/30/21	140,339	982,882	842,543
		6939244	G	P440107	DGE-1806815	Smith /Amy B	09/01/18	08/31/21	120,044	499,908	379,864
		6939245	G	P401710	AGS-1762141	Erickson /Philip J	06/03/18	08/31/20	2,277,159	4,000,041	1,722,882
		6939247	G	P065005	ECCS-1809314	Slotine /Jean-Jacques E	09/01/18	08/31/20	25,099	200,000	174,901
		6939249	G	P159900	PHY-1806251	Formaggio /Joseph A	09/01/18	08/31/21	117,473	400,000	282,527
		6939258	G	P159900	PHY-1607225	Williams /Michael	07/01/16	06/30/19	12,683	13,000	317
		6939266	G	P159900	PHY-1841699	Shanahan /Phiala E	06/14/18	05/31/23	68,842	172,000	103,158
		6939267	G	P068700	ECCS-1808692	Dahleh /Munther A	09/01/18	08/31/21	93,106	360,000	266,894
		6939281	G	P065004	CBET-1804247	Gallant /Betar Maurkah	09/01/18	08/31/21	85,126	330,205	245,079
		6939285	G	P091000	DUE-1839921	Acemoglu /K. Daron	10/01/18	09/30/22	0	360,000	360,000
		6939318	G	P153000	OAC-1835618	Hill /Christopher N	11/01/18	10/31/22	35,865	688,217	652,352
		6939324	G	P060600	ECCS-1824360	Han /Ruonan	09/01/18	08/31/21	49,973	324,000	274,027
		6939325	G	P153000	EAR-1833478	Pec /Matej	09/01/18	08/31/20	67,494	279,921	212,427
		6939327	G	P267200	BCS-1827598	Hufnagel /Stefanie S	09/01/18	08/31/21	77,164	292,680	215,516
		6939330	G	P067952	OAC-1835443	Edelman /Alan	01/01/19	12/31/23	21,331	1,757,999	1,736,668
		6939338	G	P067952	EFMA-1830901	Tedrake /Russell L	09/01/18	08/31/22	54,445	104,110	49,665
		6939358	G	P067952	CNS-1813087	Devadas /Srinivas	09/01/18	08/31/21	138,155	500,000	361,845
		6939359	G	P069850	CMMI-1760025	Allanore /Antoine	09/15/18	08/31/21	10,207	357,418	347,211
		6939362	G	P067952	CCF-1836712	Zeldovich /Nickolai	11/01/18	10/31/22	93,321	750,000	656,679
		6939363	G	P067952	CCR-1822920	Devadas /Srinivas	10/01/18	09/30/21	911	450,000	449,089
		6939364	G	P067952	CNS-1801399	Jackson /Daniel	09/15/18	08/31/19	0	80,000	80,000
		6939368	G	P065004	CMMI-1826097	Hogan /Neville	09/15/18	08/31/21	38,213	349,104	310,891
		6939383	G	P067952	BCS-1826757	Rosenholtz /Ruth Ellen	09/01/18	08/31/21	113,050	689,213	576,163
		6939385	G	P068700	CNS-1837212	Karaman /Sertac	09/01/18	09/30/21	155,035	500,000	344,965
		6939387	G	P067952	IIS-1838071	Solomon /Justin	12/01/18	11/30/22	53,871	475,000	421,129
		6939388	G	P068700	DMS-1839258	Sra /Suvrit	10/01/18	09/30/21	5,625	300,000	294,375
		6939393	G	P153000	AGS-1835576	Ferrari /Raffaele	11/01/18	10/31/23	781	1,000,000	999,219
		6939395	G	P159600	OAC-1841617	Katsavounidis /Erotokritos	10/01/18	09/30/19	14,804	32,362	17,558
		6939398	G	P067952	IIS-1830282	Shah /Julie A	07/01/18	09/30/22	78,959	731,590	652,631
		6939402	G	P267111	OAC-1839159	Englund /Dirk R.	07/03/18	09/30/21	2,567	0	(2,567)
		6939403	G	P165000	CHE-1839155	Bathe /Mark	09/15/18	08/31/22	72,601	766,769	694,168
		6939431	G	P069200	MCB-1840257	Weiss /Ron	09/15/18	08/31/22	114,996	416,342	301,346
		6939432	G	P151062	MCB-1840257	Laub /Michael T	09/15/18	08/31/22	33,145	167,316	134,171
		6939462	G	P065009	CBET-1851052	Schmidt /Aaron J	10/01/18	07/31/20	33,879	226,299	192,420
		6939464	G	P153000	OCE-1756324	Ferrari /Raffaele	09/15/18	08/31/22	34,890	189,075	154,185
		6939465	G	P062000	CMMI-1824297	Swan /James W	01/01/19	12/31/21	12,666	377,185	364,519
		6939491	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/23	171,163	0	(171,163)
		6939492	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	304,230	601,986	297,756
		6939493	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	276,426	422,515	146,089
		6939494	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	430,443	715,617	285,174
		6939495	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	458,668	660,950	202,282
		6939496	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	552,499	793,387	240,888
		6939499	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	138,981	384,212	245,231
		6939500	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	08/31/19	332,715	619,186	286,471
		6939516	G	P154500	BCS-1823919	Scott /Kimberly Dunne	09/01/18	08/31/21	47,039	584,445	537,406
		6939526	G	P069201	CBET-0939511	Kamm /Roger Dale	09/01/15	08/31/20	16,838	16,839	1
		6939548	G	P069201	CCF-1807575	Voigt /Christopher A.	10/01/18	09/30/21	92,225	138,750	46,525
		6939566	G	P267110	CNS-1837212	Sze /Vivienne	09/01/18	09/30/21	11,076	500,000	488,924
		6939621	G	P159600	AST-1836002	Simcoe /Robert A	06/02/18	08/31/19	796,663	1,300,000	503,337

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		6939668	G	P267500	OAC-1839159	Chuang /Isaac	10/01/18	09/30/21	0	309,000	309,000
		6939669	G	P060600	OAC-1839159	Han /Ruonan	10/01/18	09/30/21	43,241	345,000	301,759
		6939707	G	P154000	DMS-1856457	Collins /Tristan	07/01/18	12/31/18	2,944	2,944	0
		6939723	G	P154000	DUE-1740143	Staffilani /Gigliola	10/01/17	09/30/19	2,149	2,149	(0)
		6939794	G	P159600	PHY-1707840	Mavalvala /Nergis	08/01/18	06/30/20	10,433	34,000	23,567
		6939797	G	P267111	CHE-1839155	Englund /Dirk R.	09/15/18	08/31/22	14,171	78,319	64,148
		6939798	G	P165000	CHE-1839155	Schlau-Cohen /Gabriela S	09/15/18	08/31/22	33,252	83,656	50,404
		6939799	G	P165000	CHE-1839155	Willard /Adam P.	09/15/18	08/31/22	26,450	71,256	44,806
		6939858	G	P267100	PHY-1806765	Vuletic /Vladan	08/01/18	07/31/19	52,647	65,000	12,353
		6939902	G	P151073	MCB-1844668	Li /Gene-Wei	03/01/19	02/29/24	18,287	187,447	169,160
		6939940	G	P121012	OAC-1835443	Vielma Centeno /Juan Pablo	01/01/19	12/31/23	42,877	1,740,561	1,697,684
		6939950	G	P267111	OAC-1839159	Englund /Dirk R.	07/03/18	09/30/21	50,167	339,100	288,933
		6940006	G	P068700	CNS-1544413	Karaman /Sertac	11/01/18	03/31/19	84,340	100,000	15,660
		6940017	G	P159900	PHY-1806440	Winslow /Lindley	11/01/18	08/01/19	2,819	13,800	10,981
		6940036	G	P154000	DMS-1902645	Collins /Tristan	07/01/18	06/30/21	51,418	158,341	106,923
		6940043	G	P094000	BCS-1841673 000	Pesetsky /David	12/15/18	05/31/21	8,530	13,651	5,121
		6940067	G	P417500	DMR-1847861	Metlitski /Maxim A.	02/01/19	01/31/24	34,920	230,000	195,080
		6940092	G	P063007	EAR-1854564	Nepf /Heidi	07/01/19	06/30/22	0	135,960	135,960
		6940120	G	P060600	ECCS-1824360	Chandrakasan /Anantha P	09/01/18	08/31/21	5,113	324,000	318,887
		6940136	G	P062000	CMMI-1824297	Doyle /Patrick S	01/01/19	12/31/21	8,034	403,081	395,047
		6940204	G	P039000	CCF-1521759	Kong /David S.	10/01/18	05/31/20	28,686	50,000	21,314
		6940219	G	P069850	DMR-1554891	Checkelsky /Joseph	02/01/19	06/28/19	9,900	11,250	1,350
		6940235	G	P153000	AGS-1804512	McGee /William David	02/01/19	01/31/22	19,413	103,374	83,961
		6940263	G	P062000	CBET-1846426	Kulik /Heather Janine	06/01/19	05/31/24	4,408	593,678	589,270
		6940266	G	P067952	IIS-1844406	Mueller /Stefanie	04/02/19	06/30/24	2,318	98,817	96,499
		6940277	G	P159300	IOS-1845663	Flavell /Steven Willem	04/01/19	03/31/24	28,881	361,980	333,099
		6940278	G	P154500	BCS-1844723	Levy /Roger P	03/01/19	02/28/21	804	18,414	17,610
		6940286	G	P039000	CNS-1844280	Adib /Fadel	02/15/19	01/31/24	26,533	120,577	94,044
		6940289	G	P063000	CBET-1919316	Plata /Desiree Louise	07/01/18	02/28/21	82,381	226,338	143,957
		6940297	G	P159900	PHY-1904160	Williams /Michael	03/01/19	03/31/24	22,715	200,501	177,786
		6940301	G	P154000	DMS-1845034	Negut /Andrei	05/01/19	06/30/24	10,818	108,706	97,888
		6940315	G	P061901	CBET-1847541	Roche /Ellen	06/01/19	05/31/24	28,184	425,741	397,557
		6940317	G	P067952	CCF-1845763	Shun /Julian	03/01/19	02/29/24	3,291	109,535	106,244
		6940395	G	P068700	IIS-1846088	Sra /Suvrit	03/15/19	02/29/24	19,992	101,427	81,435
		6940425	G	P159900	PHY-1904160	Williams /Michael	03/01/19	03/31/24	267,359	269,149	1,790
		6940427	G	P068700	IIS-1838071	Rigollet /Philippe	12/01/18	11/30/22	0	525,000	525,000
		6940491	G	P154000	DMS-1853981	Borodin /Alexei	09/01/19	08/31/24	0	100,000	100,000
		6940518	G	P097000	SES-1849526	Light /Jennifer S	05/01/19	04/30/20	0	13,032	13,032
		6940526	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	05/01/19	10/31/20	0	100,000	100,000
		6940527	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	05/01/19	10/31/20	8,652	100,000	91,348
		6940528	G	P246000	DMR-1419807	Beach /Geoffrey Stephen	05/01/19	10/31/20	555	100,000	99,445
		6940569	G	P154000	DMS-1855458	Gorin /Vadim	07/01/19	06/30/22	0	182,430	182,430
		6940583	G	P069850	DMR-1751739	Comin /Riccardo	02/01/18	06/30/19	8,223	11,498	3,275
		6940588	G	P159900	PHY-1904160	Williams /Michael	03/01/19	03/31/24	1,302	152,000	150,698
		6940610	G	P159900	PHY-1801996	Conrad /Janet Marie	01/31/18	03/31/20	19,822	20,545	723
		6940612	G	P152000	CHE-1900109	Ceyer /Sylvia Teresse	04/01/19	04/30/22	20,745	500,000	479,255
		6940632	G	P153000	EAR-1836304	Pec /Matej	05/15/19	04/30/20	4,829	171,835	167,006
		6940644	G	P267111	OAC-1839159	Englund /Dirk R.	07/03/18	04/01/21	158	5,900	5,742

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		6940693	G	P154000	DMS-1901849	Xu /Chenyang	06/01/19	05/31/22	46,558	199,248	152,690
		6940694	G	P067952	CCF-1901292	Daskalakis /Konstantinos	07/01/19	06/30/23	0	149,158	149,158
		6940695	G	P061096	IIS-1923089	Shah /Julie A	05/01/19	04/30/20	0	0	0
		6940698	G	P417500	DMR-1911666	Todadri /Senthil	06/01/19	05/31/22	0	405,000	405,000
		6940699	G	P152000	CHE-1900358	Van Voorhis /Troy	06/01/19	05/31/22	41,855	340,000	298,145
		6940702	G	P402000	CHE-1845464	Koehler /Angela Nicole	05/01/19	04/30/24	20,696	799,997	779,301
		6940710	G	P061094	AGS-1914920	Barrett /Steven R. H.	06/01/19	05/31/22	5,089	464,371	459,282
		6940727	G	P154000	DMS-1906072	Bachmann /Tom	06/01/19	05/31/22	12,188	51,865	39,677
		6940735	G	P153000	AGS-1906719	Solomon /Susan	07/01/19	06/30/22	0	627,604	627,604
		6940746	G	P152000	DMR-1905164	Bawendi /Moungi G	07/01/19	06/30/22	0	450,000	450,000
		6940759	G	P154000	DMS-1904997	Seidel /Paul Alfred	07/01/19	06/30/22	0	170,498	170,498
		6940823	G	P154000	DMS-1901642	Zhang /Wei	07/01/19	06/30/24	0	124,000	124,000
		6940824	G	P152000	DMR-1905164	Van Voorhis /Troy	07/01/19	06/30/22	0	30,000	30,000
		6940825	G	P152000	CHE-1900391	Danheiser /Rick Lane	08/01/19	07/31/22	0	485,000	485,000
		6940829	G	P066000	DMR-1911792	Ross /Caroline A	06/01/19	05/31/23	1,481	250,000	248,519
		6940850	G	P153000	AGS-1906768	Emanuel /Kerry Andrew	06/01/19	05/31/22	0	562,802	562,802
		6940853	G	P153000	EAR-1903544	McGee /William David	08/01/19	07/31/21	0	219,904	219,904
		6940861	G	P153000	ICER-1854929	Emanuel /Kerry Andrew	06/01/19	05/31/23	5,088	297,689	292,601
		6940963	G	P154500	IIS-1929607	Fiete /Ila R	08/01/18	05/31/19	16,361	16,321	(40)
		6940985	G	P153000	AGS-1848863	Solomon /Susan	07/01/19	06/30/22	0	428,618	428,618
		6941033	G	P067952	CCF-1931307	Williams /Virginia	06/15/19	05/31/20	0	10,000	10,000
		6941091	G	P159900	PHY-1912836	Williams /Michael	07/01/19	06/30/22	0	150,000	150,000
		6941095	G	P152000	CHE-1900060	Radosevich /Alexander T.	07/01/19	06/30/22	0	450,000	450,000
		6941097	G	P067952	CCF-1909429	Williams /Virginia	07/01/19	06/30/22	0	500,000	500,000
		6941108	G	P152000	CHE-1904867	Johnson /Jeremiah A.	07/01/19	06/30/22	0	457,814	457,814
	002828 Atmospheric an	6940863	G	P061097	AGS-1850089	Cahoy /Kerri	06/01/19	05/31/22	0	343,174	343,174
	005173 Arizona State University	6929035	G	P153000	14-374	Summons /Roger E	09/01/13	08/31/19	18,971	252,356	0
		6929039	G	P153000	14-374	Ono /Shuhei	09/01/13	08/31/19	35,436	218,693	6,411
		6929429	G	P153000	14-374	Bosak /Tanja	09/01/13	08/31/19	16,338	230,707	(876)
		6929430	G	P153000	14-374	Rothman /Daniel H	09/01/13	08/31/19	17,040	208,219	(965)
		6935478	G	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	05/03/16	07/31/17	0	245,425	193
		6936233	G	P066000	SUBAWARD NO: 17-096	Grdecak /Silvija	05/03/16	07/31/17	0	16,130	0
		6938642	G	P065004	17-096	Buonassisi /Anthony	05/03/16	07/31/18	18,034	158,446	120
	005265 Boston College	6939979	G	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	08/01/18	07/31/19	38,867	37,584	(1,283)
		6938336	G	P152000	5105841-1	Nelson /Keith Adam	01/15/18	12/31/19	0	0	0
		6938343	G	P152000	5105841-1	Nelson /Keith Adam	01/15/18	12/31/18	36,806	54,722	0
	005274 Boston Universi	6940458	G	P152000	5105841-1	Nelson /Keith Adam	01/01/19	12/31/19	27,406	27,718	312
		6938043	G	P153000	4500002547	Hill /Christopher N	07/01/17	10/31/21	40,216	199,108	140,521
		6938402	G	P061902	50205759-9500307545	Greenberg /Julie E	01/16/18	03/31/18	(41)	15,704	0
		6940180	G	P061902	50206610-9500308659	Greenberg /Julie E	01/01/19	05/31/19	20,107	19,983	(124)
	005381 Concord Consortium	6940191	G	P039070	4500002879	Boyden /Edward	10/01/18	09/30/21	212,120	300,000	87,880
		6935372	G	P093800	303-01	Klopfer /Eric	10/01/16	09/30/19	0	0	0
		6935510	G	P093800	303-01	Klopfer /Eric	10/01/16	09/30/17	0	75,808	(0)
		6935511	G	P093800	303-01	Klopfer /Eric	10/01/17	09/30/19	44,263	113,312	4,354
	005408 California Institute of Technology	6917535	G	P159600	SUBAWARD NO. 75ADV-1	Shoemaker /David H	04/01/08	07/31/18	5,127	2,489,759	0
		6918890	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	0	8,063	0
		6923034	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	0	69,185	0
		6925472	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	0	216,070	0

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		6928016	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	47,199	189,346	0
		6929096	G	P152000	S398063	Cummins /Christopher C	07/01/13	12/31/18	40,347	773,497	(0)
		6929097	G	P062000	S398063	Hammond /Paula T	07/01/13	12/31/18	4,522	746,502	(0)
		6929469	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	5,455	133,622	0
		6929470	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	797,320	12,613,040	(0)
		6929471	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	49,691	1,762,358	(0)
		6929472	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	141,193	2,263,003	(0)
		6929474	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	63,736	384,058	0
		6929475	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	38,431	784,471	0
		6929477	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	84,276	388,418	0
		6929478	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	580	61,909	(0)
		6929479	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	10/01/08	03/31/19	15,259	139,610	(0)
		6930229	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	06/01/14	03/31/19	3,167	434,139	0
		6932542	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	08/01/15	03/31/19	0	76,041	0
		6933468	G	P159600	SUBAWARD NO. S392385	Fritschel /Peter K	11/01/15	03/31/19	0	19,151	0
		6939605	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	0	2,866	2,866
		6939606	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	780,678	0	(780,678)
		6939607	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	177,228	0	(177,228)
		6939608	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	11,531	0	(11,531)
		6939609	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	496,703	0	(496,703)
		6939610	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	62,156	0	(62,156)
		6939611	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	249,460	0	(249,460)
		6939612	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	50,569	0	(50,569)
		6939613	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	337,259	0	(337,259)
		6939614	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	143,385	0	(143,385)
		6939615	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	131,679	0	(131,679)
		6939616	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	163,962	0	(163,962)
		6939617	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	298,593	0	(298,593)
		6939618	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	272,779	0	(272,779)
		6939619	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	1,573	0	(1,573)
		6939620	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	0	0	(0)
		6940129	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	3,857	11,000	7,143
		6940188	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	9,693	6,134	(3,559)
		6940911	G	P159600	TBD	Fritschel /Peter K	10/01/18	09/30/19	0	64,000	64,000
	005423 Carnegie-Mellon University	6930825	G	P067952	1122183-333057	O'Reilly /Una-May	01/01/15	12/31/19	37,774	698,716	261,897
		6932341	G	P068700	1122145-344388	Sra /Suvrit	09/01/14	08/31/18	27,478	384,345	(0)
		6933964	G	P068700	1122183-333057	Veeramachaneni /Kalyan	04/01/16	12/31/19	105,838	651,284	222,594
	005508 Columbia University	6931173	G	P063007	1(GG008891) / PO G05323	Harvey /Charles F	09/01/14	08/31/19	833	149,937	(196)
		6935295	G	P153000	46(GG009393)	Ono /Shuhei	10/01/16	02/29/20	(2,747)	28,697	14,891
		6939147	G	P153000	46(GG009393)	Ono /Shuhei	10/01/16	02/29/20	3,994	3,994	0
	005521 Cornell University	6937589	G	P067952	80497-10951	Demaine /Erik D	08/01/17	08/31/23	124,471	270,000	40,476
	005690 Duke University	6939557	G	P062000	333-2439	Olsen /Bradley D.	09/01/18	08/31/19	9,724	110,000	100,276
		6939582	G	P159900	333-2457	Harrow /Aram W.	08/01/18	07/31/19	5,194	215,000	209,806
		6939634	G	P152000	333-2439	Johnson /Jeremiah A.	09/01/18	08/31/19	67,212	110,000	42,788
	005731 Emory University	6937352	G	P152000	T847519	Movassaghi /Mohammad	09/01/17	08/31/18	41,416	135,999	0
		6939438	G	P152000	A022601	Movassaghi /Mohammad	09/01/18	08/31/19	69,225	150,000	80,775
	005841 Florida A&M University	6937333	G	P062000	C-4979	Swan /James W	09/01/17	08/31/19	47,282	144,995	58,924

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	005848 National Radio	6937959	G	P401710	PO 359999	Matthews /Lynn D.	01/01/18	09/30/20	310,664	954,082	588,527
	005936 George Washington University	6933936	C	P035000	16-S08	Ryan /Brent	04/01/16	03/31/20	0	0	0
		6935441	C	P035000	16-S08	Ryan /Brent	04/01/16	03/31/17	0	3,120	0
		6935442	C	P035000	16-S08	Ryan /Brent	04/01/17	03/31/20	74,076	216,627	71,039
		6940635	G	P061090	18-S45	Newman /Dava J	09/01/18	07/31/19	66,355	66,382	27
	005937 Georgetown Un	6937928	C	P064000	GR205188/GR205566	Goldwasser /Shafira	09/01/17	05/31/18	(464)	15,788	0
	006120 Harvard University	6929102	G	P069850	123826-5056263	Ashoori /Raymond	10/01/13	09/30/19	53,253	1,746,891	501,284
		6929127	G	P069850	123826-5056263	Ashoori /Raymond	11/01/13	09/30/16	0	231,241	0
		6929128	G	P069850	123826-5056263	Moodera /Jagadeesh	11/01/13	09/30/16	0	251,301	0
		6929129	G	P069850	123826-5056263	Kong /Jing	11/01/13	09/30/16	0	246,492	(0)
		6929130	G	P069850	123826-5056263	Gedik /Nuh	11/01/13	09/30/16	0	253,862	0
		6929131	G	P069850	123826-5056263	Palacios /Tomas	11/01/13	09/30/16	0	239,945	0
		6929132	G	P069850	123826-5056263	Jarillo-Herrero /Pablo	11/01/13	09/30/16	0	327,713	0
		6929133	G	P069850	123826-5056263	Levitov /Leonid	11/01/13	09/30/16	0	115,796	(0)
		6929134	G	P069850	123826-5056263	Fu /Liang	11/01/13	09/30/16	0	163,755	(0)
		6930914	G	P069850	123826-5056263	Checkelsky /Joseph	10/01/14	06/15/17	0	122,567	0
		6932201	G	P069850	123826-5056263	Ashoori /Raymond	06/19/15	09/30/16	0	12,827	0
		6932524	G	P069800	123826-5056263	Checkelsky /Joseph	08/18/15	09/30/16	0	18,376	0
		6932660	G	P065004	123937-5096527	Kolle /Mathias	09/01/15	08/31/19	96,785	326,768	(18,350)
		6934913	G	P069850	123826-5056263	Englund /Dirk R.	10/01/13	09/30/18	48,109	218,947	0
		6934914	G	P069850	123826-5056263	Kong /Jing	10/01/13	09/30/18	16,855	82,866	(0)
		6934915	G	P069850	123826-5056263	Palacios /Tomas	10/01/13	09/30/18	1,082	134,203	(0)
		6934916	G	P069850	123826-5056263	Englund /Dirk R.	10/01/13	09/30/18	0	11,873	(0)
		6934917	G	P069850	123826-5056263	Kong /Jing	10/01/13	09/30/18	1,467	35,694	(0)
		6934918	G	P069850	123826-5056263	Palacios /Tomas	10/01/13	09/30/18	0	41,498	0
		6934919	G	P069850	123826-5056263	Ashoori /Raymond	10/01/13	09/30/19	0	0	0
		6934920	G	P069850	123826-5056263	Moodera /Jagadeesh	10/01/13	09/30/18	2,074	61,399	0
		6934921	G	P069850	123826-5056263	Checkelsky /Joseph	10/01/13	09/30/18	17,113	187,275	(0)
		6934922	G	P069850	123826-5056263	Fu /Liang	10/01/13	09/30/18	21,703	180,537	(0)
		6934923	G	P069850	123826-5056263	Gedik /Nuh	10/01/13	09/30/18	(21,109)	206,955	0
		6934924	G	P069850	123826-5056263	Moodera /Jagadeesh	10/01/13	09/30/18	4,117	31,762	0
		6934925	G	P069850	123826-5056263	Checkelsky /Joseph	10/01/13	09/30/18	16,116	123,069	0
		6934926	G	P069850	123826-5056263	Fu /Liang	10/01/13	09/30/18	0	3,318	0
		6934927	G	P069850	123826-5056263	Gedik /Nuh	10/01/13	09/30/18	0	10,393	0
		6934929	G	P069850	123826-5056263	Moodera /Jagadeesh	10/01/13	09/30/18	28,204	130,806	0
		6934930	G	P069850	123826-5056263	Levitov /Leonid	10/01/13	09/30/18	8,106	163,955	(0)
		6934932	G	P069850	123826-5056263	Jarillo-Herrero /Pablo	10/01/13	09/30/18	32,286	194,587	0
		6934933	G	P069850	123826-5056263	Moodera /Jagadeesh	10/01/13	09/30/18	2,417	28,091	0
		6934934	G	P069850	123826-5056263	Levitov /Leonid	10/01/13	09/30/18	0	16,578	(0)
		6934936	G	P069850	123826-5056263	Jarillo-Herrero /Pablo	10/01/13	09/30/18	22,705	118,414	(0)
		6934937	G	P069850	123826-5056263	Ashoori /Raymond	10/01/13	09/30/18	0	0	0
		6934938	G	P069850	123826-5056263	Kong /Jing	10/01/13	09/30/18	13,703	91,928	0
		6934940	G	P069850	123826-5056263	Ashoori /Raymond	10/01/13	09/30/18	23,963	158,991	0
		6934941	G	P069850	123826-5056263	Palacios /Tomas	10/01/13	09/30/18	(12,213)	97,951	(0)
		6934942	G	P069850	123826-5056263	Kong /Jing	10/01/13	09/30/18	4,506	15,164	0
		6934943	G	P069850	123826-5056263	Jarillo-Herrero /Pablo	10/01/13	09/30/18	5,045	7,488	0
		6934944	G	P069850	123826-5056263	Ashoori /Raymond	10/01/13	09/30/18	13,274	103,601	(0)
		6935062	G	P069850	123826-5056263	Ashoori /Raymond	10/01/13	09/30/18	0	0	0
		6935063	G	P069850	123826-5056263	Palacios /Tomas	10/01/13	09/30/18	0	3,131	0

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		6939583	G	P069850	123826-5056263	Ashoori /Raymond	10/01/18	09/30/19	104,293	109,947	5,654
		6939584	G	P069850	123826-5056263	Checkelsky /Joseph	10/01/18	09/30/19	93,561	133,578	40,017
		6939585	G	P069850	123826-5056263	Comin /Riccardo	10/01/18	09/30/19	46,891	60,000	13,109
		6939586	G	P069850	123826-5056263	Englund /Dirk R.	10/01/18	09/30/19	68,035	92,550	24,515
		6939587	G	P069850	123826-5056263	Fu /Liang	10/01/18	09/30/19	90,402	65,945	(24,457)
		6939588	G	P069850	123826-5056263	Gedik /Nuh	10/01/18	09/30/19	80,537	89,173	8,636
		6939589	G	P069850	123826-5056263	Jarillo-Herrero /Pablo	10/01/18	09/30/19	75,037	122,191	47,154
		6939590	G	P069850	123826-5056263	Kong /Jing	10/01/18	09/30/19	82,620	93,053	10,433
		6939591	G	P069850	123826-5056263	Levitov /Leonid	10/01/18	09/30/19	70,931	69,267	(1,664)
		6939592	G	P069850	123826-5056263	Moodera /Jagadeesh	10/01/18	09/30/19	46,880	91,390	44,510
		6939593	G	P069850	123826-5056263	Palacios /Tomas	10/01/18	09/30/19	104,973	100,636	(4,337)
		6939677	C	P066000	BA DTD. 10/18/2018	Anikeeva /Polina Olegovna	09/01/18	08/31/19	59,026	62,007	2,981
		6940712	G	P064000	BILLING AGRMNT. DTD 04	Shavit /Nir N.	10/01/18	01/15/19	11,164	11,164	0
		6940742	G	P158000		Chuang /Isaac	01/16/19	05/31/19	14,164	14,164	(0)
		6940827	G	P267111	124127-5110072	Berggren /Karl K	10/01/18	09/30/20	0	239,250	239,250
	6940828	G	P267300	124127-5110072	Oliver /William D	10/01/18	09/30/20	0	219,250	219,250	
	006207 University of Ca	6936421	G	P067952	201601893-02	Fisher /John W	09/15/16	08/31/19	83,408	154,948	32,174
	006570 Massachusetts General Hospital	6937933	C	P064000	229049	Mark /Roger G	09/01/17	05/31/18	0	28,474	2,819
		6938905	G	P064000	229049	Mark /Roger G	06/01/18	08/31/18	6,404	11,041	4,637
		6939422	G	P064000	229177	Adalsteinsson /Elfar	09/01/18	05/31/19	55,942	55,942	0
	006805 NEROC	6926730	G	P401710	AGS-1229036	Lonsdale /Colin John	09/01/12	09/30/19	6,522	1,546,944	(8,012)
		6929754	G	P401710	AGS-1229036	Lonsdale /Colin John	09/01/12	12/31/14	0	23,315	0
		6932736	G	P401710	AGS-1229036	Lonsdale /Colin John	09/01/12	09/30/19	259,602	534,584	0
		6934751	G	P401710	AGS-1626041	Erickson /Philip J	09/01/16	08/31/18	133,072	295,008	(0)
		6937109	G	P401710	AGS-1726377	Coster /Anthea J	09/15/17	08/31/20	62,625	208,560	118,084
		6937604	G	P401710	AGS-1726377	Coster /Anthea J	09/15/17	08/31/20	24,463	146,976	122,513
		6937605	G	P401710	AGS-1726377	Coster /Anthea J	09/15/17	08/31/20	121,609	422,315	54,932
		6940071	G	P401710	AGS-1726377	Coster /Anthea J	12/01/18	08/31/20	8,445	20,436	11,991
	006829 New York Unive	6937547	G	P093800	F0394-03	Klopfner /Eric	08/01/17	07/31/20	126,817	449,713	164,710
	006831 New York University Medical Center	6932196	G	P267111	PO #M160000461 - #14-A0	Daniel /Luca	02/15/15	01/31/20	0	39,274	0
		6934052	G	P267111	14-A0-00-003420-01	Daniel /Luca	02/01/16	01/31/17	0	10,870	0
		6935763	G	P267111	PO# M160000461 / 14-A0-0	Daniel /Luca	02/01/16	01/31/18	0	35,533	0
		6938890	G	P267111	PO #M160000461 - #14-A0	Daniel /Luca	02/01/18	01/31/19	21,449	42,558	11,059
		6940520	G	P267111	PO #M160000461 - #14-A0	Daniel /Luca	02/01/19	01/31/20	2,056	40,000	37,944
	006875 Northeastern U	6928496	C	P061901	502076-78050A	Bhatia /Sangeeta N	08/01/13	04/30/18	(9,009)	362,927	(0)
	007150 Princeton University	6933021	G	P153000	SUB0000092	Emanuel /Kerry Andrew	09/01/15	08/31/19	14,179	356,735	270
		6935980	G	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	192,154	787,617	191,368
		6936082	G	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	53,161	151,993	30,458
		6936083	G	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	137,263	475,000	137,109
		6936204	G	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	51,316	196,711	43,559
		6936205	G	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	0	6,600	4,818
		6936206	G	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	698	9,240	3,546
		6936207	G	P159900	SUB0000178	Paus /Christoph M. E.	01/01/17	12/31/21	41,999	186,184	54,033
	6939873	G	P159900	SUB0000276	Williams /Michael	09/01/18	08/31/19	78,551	150,000	71,449	
	007180 Purdue Univers	6922872	G	P067952	SUBAWARD #10000686-0	Shor /Peter Williston	08/01/10	08/31/19	0	0	0
6922873		G	P067952	SUBAWARD #10000686-0	Lynch /Nancy Ann	08/01/10	08/31/19	121,140	898,335	(29,730)	
6922874		G	P067952	SUBAWARD #10000686-0	Rivest /Ronald L	08/01/10	08/31/19	30,804	991,256	101,649	
6922875		G	P067952	SUBAWARD #10000686-0	Aaronson /Scott	08/01/10	01/31/14	0	388,049	(0)	
6922876		G	P067952	SUBAWARD #10000686-0	Shor /Peter Williston	08/01/10	08/31/19	68,063	997,135	30,708	

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**Fiscal Year 2019**

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
007264 Research Foundation of CUNY	6924018	G	P067952	SUBAWARD #10000686-0	Sudan /Madhu	08/01/10	01/31/16	0	557,226	0	
	6925962	G	P068700	SUBAWARD #10000686-0	Polyanskiy /Yury	08/01/10	08/31/19	7,622	700,000	203,597	
	6933690	G	P267111	SUBAWARD 40F23-A	Englund /Dirk R.	08/01/15	07/31/19	0	0	0	
	6933810	G	P267111	SUBAWARD 40F23-A	Englund /Dirk R.	08/01/15	07/31/19	23,019	449,895	8,251	
	6933811	G	P267400	SUBAWARD 40F23-A	Baldo /Marc A	08/01/15	07/31/19	67,778	435,000	(252)	
	6933812	G	P267300	SUBAWARD 40F23-A	Kong /Jing	08/01/15	07/31/19	8,667	65,000	438	
	6935052	G	P267111	SUBAWARD 40F23-A	Englund /Dirk R.	08/15/16	07/31/18	483	39,501	0	
	6936341	G	P267111	SUBAWARD 40F23-A	Englund /Dirk R.	12/01/16	01/31/19	1,845	10,604	0	
	007334 Santa Fe Institu	6935014	G	P065005	SFI20161003	Lloyd /Seth	09/01/16	08/31/19	70,250	223,769	17,964
	007360 Smithsonian Ins	6933768	G	P401710	SV6-86002	Fish /Vincent L.	01/15/15	12/31/19	641,319	2,188,433	163,599
	007372 Southwest Rese	6937788	G	P153000	SUBAWARD J99093LW	Soderblom /Jason	10/01/16	04/30/19	0	53,904	10
	007380 Stanford Univer	6937285	G	P152000	61602537-126273	Schlau-Cohen /Gabriela S	09/01/17	08/31/19	15,427	170,000	79,079
	007529 University of Ca	6938664	G	P153000	2018-3564	Minchew /Brent Morton	04/01/18	03/31/20	88,841	140,061	51,220
	007534 University of California-San Diego	6935212	G	P267500	80302854	Bulovic /Vladimir	10/01/16	09/30/19	105,234	506,180	73,130
		6937009	G	P067952	89409643	Shah /Julie A	01/15/17	01/14/19	91,589	203,193	72,382
		6939284	G	P067952	SUBAWARD AGREEMENT	Clark /David D	09/01/18	08/31/19	29,150	42,871	13,721
	007545 University of Illi	6931375	G	P159900	2014-05135-01	Redwine /Robert P	10/27/14	05/31/19	79,789	582,000	(6,756)
	007560 University of Illi	6933103	C	P152000	2015-04326-01-00	Nelson /Keith Adam	08/01/15	07/31/19	90,007	420,541	2,983
	007616 University of Southern California	6937618	G	P153000	91255352 / PO10614338	Herring /Thomas A	05/01/17	04/30/18	0	1	1
		6937619	G	P153000	91255352	Herring /Thomas A	05/01/17	04/30/18	0	29,999	0
	007619 University of Rh	6940101	G	P093800	12202018/0007337	Adams /Allan Wilfred	11/01/18	10/31/19	3,228	113,355	110,127
	007630 University of Pe	6937096	G	P093800	SUBAWARD 572180/PO 4	Klopper /Eric	09/01/17	08/31/19	214,103	590,943	105,717
	007637 University of Te	6939541	G	P063000	UTA18-001151	Polz /Martin F	09/01/18	08/31/21	178,596	153,010	(25,586)
	007639 University of Washington	6924726	G	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	07/15/11	07/31/20	0	186,422	(368)
		6925083	G	P267110	724454	Voldman /Joel	07/15/11	07/31/16	0	154,352	0
		6925084	G	P267300	724454	Lang /Jeffrey H	07/15/11	07/31/17	0	84,747	0
		6925085	G	P267110	724454	Voldman /Joel	07/15/11	07/31/17	0	237,652	0
		6925086	G	P267110	724454	Crayton /DiOnetta Jones	07/15/11	07/31/17	0	135,562	0
		6925087	G	P267300	724454	Lang /Jeffrey H	07/15/11	07/31/16	0	552,740	(0)
		6925088	G	P067952	724454	Tedrake /Russell L	07/15/11	07/31/16	0	525,679	0
		6925089	G	P267110	724454	Voldman /Joel	07/15/11	07/31/16	0	544,194	(0)
		6925090	G	P267111	724454	Weinstein /Dana	07/15/11	07/31/14	0	350,128	0
		6926679	G	P267110	724454	Anikeeva /Polina Olegovna	07/15/11	07/31/16	0	434,685	(0)
		6929618	G	P400600	724454	Jazayeri /Mehrdad	01/01/14	07/31/17	0	194,492	(0)
		6931384	G	P267110	724454	Voldman /Joel	07/01/14	07/31/17	0	19,129	(0)
		6933463	G	P267110	UWSC6200 (BPO4405)	Voldman /Joel	08/01/15	07/31/17	0	24,396	0
6934495		G	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/20	10,888	129,412	66,328	
6934496		G	P267500	UWSC6200 (BPO4405)	Lang /Jeffrey H	08/01/16	07/31/18	0	63,256	(0)	
6934497		G	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/20	207,272	487,986	42,827	
6934498		G	P400600	UWSC6200 (BPO4405)	Jazayeri /Mehrdad	08/01/16	07/31/20	134,502	420,363	66,163	
6934795		G	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/20	134	122,633	(4,449)	
6934796		G	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/20	4,062	39,980	10,743	
6935455		G	P267110	UWSC6200 (BPO4405)	Crayton /DiOnetta Jones	08/01/16	07/31/18	1,631	16,580	11,864	
6936115		G	P267500	UWSC6200 (BPO4405)	Anikeeva /Polina Olegovna	08/01/16	07/31/18	0	32,166	(0)	
6937162		G	P267110	UWSC6200 (BPO4405)	Voldman /Joel	08/01/16	07/31/17	0	16,580	(0)	
6939078		G	P400600	UWSC6200 (BPO4405)	Graybiel /Ann M	08/01/17	07/31/20	140,267	221,554	81,287	
007655 University of Wi	6926610	G	P159600	123405535/144PRJ55WL	Katsavounidis /Erotokritos	12/15/11	11/30/17	(1,155)	202,714	(0)	
007673 UNAVCO	6929221	G	P153000	S13-EAR1261833-S4	Herring /Thomas A	10/01/13	09/30/18	50,952	575,873	0	

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000600 U.S. Department of Defense		6929222	G	P153000	S13-EAR1261833-S4	King /Robert W	10/01/13	09/30/18	34,158	607,670	(0)
		6939638	G	P153000	S18-EAR1724794-S2	Herring /Thomas A	10/01/18	09/30/19	58,000	115,000	57,000
	007674 University of Maryland	6937426	G	P152000	18-010023 A	Swager /Timothy M	09/01/17	08/31/20	145,518	300,000	37,897
	007676 University of California - Berkeley	6923266	G	P060600	00007444	Bulovic /Vladimir	06/24/10	02/29/20	0	346,850	346,850
		6923299	G	P060600	00007444	Antoniadis /Dimitri A	06/24/10	02/28/19	0	1,047,240	0
		6923300	G	P060600	00007444	Bulovic /Vladimir	06/24/10	02/29/20	0	369,201	192,155
		6923301	G	P060600	00007444	Antoniadis /Dimitri A	06/24/10	02/28/19	0	300,000	1,967
		6923302	G	P060600	00007444	Bulovic /Vladimir	06/24/10	02/29/20	150,737	1,492,327	172,128
		6923303	G	P060600	00007444	del Alamo /Jesus A	06/24/10	02/29/20	73,438	1,492,327	192,066
		6923304	G	P066000	00007444	Fitzgerald /Eugene A	06/24/10	02/29/20	17,641	1,492,327	299,425
		6923305	G	P060600	00007444	Hoyt /Judy L	06/24/10	02/28/18	0	951,321	(0)
		6923306	G	P267500	00007444	Lang /Jeffrey H	06/24/10	02/29/20	107,074	1,182,731	152,156
		6925775	G	P152000	00007444	Swager /Timothy M	06/24/10	02/29/20	47,128	949,863	215,940
		6926945	G	P060700	00007444	Hearn /Eboney	06/24/10	02/28/18	0	28,802	0
		6926946	G	P060700	00007444	Hearn /Eboney	06/24/10	02/28/18	0	51,102	0
		6928812	G	P060600	00007444	del Alamo /Jesus A	06/24/10	02/29/20	0	20,980	0
		6929156	C	P062000	SUBAWARD 00008317/MC	Prather /Kristala L	09/15/13	08/31/14	0	98,765	0
		6929157	C	P069200	SUBAWARD 00008317/MC	Weiss /Ron	09/15/13	08/31/14	0	98,710	(0)
		6929285	C	P062000	SUBAWARD 00008317/MC	Prather /Kristala L	09/15/13	08/31/19	0	6,364	3,773
		6930836	C	P062000	SUBAWARD 00008317/MC	Prather /Kristala L	09/15/13	02/29/16	0	101,322	(0)
		6930837	C	P069200	SUBAWARD 00008317/MC	Weiss /Ron	09/15/13	02/29/16	0	101,354	0
		6931778	G	P060700	00007444	Hearn /Eboney	06/24/10	02/28/18	0	8,794	0
		6933483	C	P062000	SUBAWARD 00008317/MC	Prather /Kristala L	09/15/13	08/31/19	50,256	353,644	108,226
		6933515	C	P069201	SUBAWARD 00008317/MC	Weiss /Ron	09/15/13	12/31/17	0	201,417	0
		6934142	G	P267300	00007444	Kong /Jing	06/24/10	02/29/20	176,687	566,006	79,192
		6935339	G	P159600	00009391	Hewitt /Jacqueline N	09/15/16	08/31/19	195,051	471,977	228,185
	007680 University of Rochester	6932946	G	P153000	416750G	Follows /Michael J	10/01/15	09/30/19	84,257	188,877	(8,697)
		6935164	G	P069850	416929G/GR510498	Michel /Jurgen	09/01/16	08/31/20	5,481	400,000	223,097
	007694 University of Oregon	6936309	C	P401710	2005H0A	Elosegui /Pedro	01/01/17	12/31/18	1,613	36,953	0
		6936344	C	P401710	2005H0A	Elosegui /Pedro	01/01/17	12/31/18	(31)	7,986	0
	007794 Washington State	6937644	G	P069201	132249-G003779	Voigt /Christopher A.	06/01/17	08/31/20	141,977	395,298	119,187
	007845 Yale University	6932587	G	P267300	C16D12238 (D02172)	Kong /Jing	08/01/15	07/31/19	168,285	400,000	2,421
	010356 Montana State U	6929216	G	P069201	G111-14-W4576	Voigt /Christopher A.	09/01/13	08/31/16	0	614,001	(109,691)
	011125 Kalion, Inc.	6939575	C	P062000	STTR DTD. MAY 1, 2018	Prather /Kristala L	07/01/18	06/30/19	19,612	75,000	55,388
	011681 Kansas State U	6937873	G	P066000	S18078	Olivetti /Elsa A	01/01/18	12/31/19	64,518	142,484	77,966
	100986 Appia LLC	6940117	G	P062000	SBIR RESEARCH AGREEMENT	Olsen /Bradley D.	09/02/18	06/30/19	75,093	75,000	(93)
	101870 University of California, Los Angeles	6937849	G	P267300	0160 G VB426	Wong /Ngai Chuen	10/01/17	09/30/19	147,384	325,000	82,169
		6939941	G	P093800	0285 G WA158	Parks /Lisa	08/15/18	07/31/19	9,300	95,044	85,744
	102885 Via Separations	6937206	G	P066000	AGREEMENT DATED 9-1-17	Grossman /Jeffrey C.	09/01/17	06/30/18	0	10,000	7,304
	103526 University of Kentucky Research	6937084	G	P062000	3200001352-18-023 / PO#78000003935	Brushett /Fikile R	07/15/17	12/31/18	25,194	38,326	(0)
	104616 Virtual Collabor	6940411	G	P067952	AGMT DTD 2/1/2019	Winston /Patrick H	02/01/19	08/30/19	57,133	75,000	17,867
	105632 University of Oklahoma	6940566	G	P153000	2019-46	Nakata /Norimitsu	01/01/19	03/31/19	33,993	34,000	7
	<b>Total by Primary Sponsor</b>								<b>79,616,644</b>	<b>411,781,354</b>	<b>100,123,487</b>
000600 U.S. Department of Defense	000600 U.S. Department of Defense	6936054	G	P063007	59-8042-7-007	Bourouiba /Lydia	07/01/16	07/31/21	78,016	459,999	164,384

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Department of Agriculture	<b>Total by Primary Sponsor</b>								<b>78,016</b>	<b>459,999</b>	<b>164,384</b>
000607 U.S. Department of Commerce-NIST (Natl Inst of Stand & Tech)	000607 U.S. Department of Commerce-NIST (Natl Inst of Stand & Tech)	6932586	G	P264000	60NANB15D361	Khaykovich /Boris	08/31/15	08/30/18	(0)	196,126	0
		6934552	G	P069201	70NANB16H164	Voigt /Christopher A.	07/01/16	06/30/18	(17,262)	412,500	(0)
		6936522	G	P068700	70NANB17H177	Win /Moe Z	06/01/17	05/31/20	343,801	799,000	353,534
		6939540	G	P039020	70NANB18H211	Gershenfeld /Neil A	10/01/18	12/31/19	129,396	197,228	67,832
	009001 Lincoln Laboratory	6937869	G	P063007	PO# 7000406016	Amin /Saurabh	09/01/17	05/31/19	140,519	220,000	(2,629)
	104812 Total Technology	6939456	C	P401823	PO# 18-076	Murray /Fiona E	07/01/18	06/30/19	70,780	139,615	68,835
	<b>Total by Primary Sponsor</b>								<b>667,234</b>	<b>1,964,469</b>	<b>487,571</b>
000610 U.S. Department of Commerce - NOAA	000610 U.S. Department of Commerce - NOAA	6929300	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	08/31/19	13,111	227,957	214,846
		6929301	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	08/31/18	0	1,512,808	2,276
		6929302	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	29,440	0
		6929303	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	311,360	87,391
		6929304	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	576,737	102,138
		6929305	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	83	826,813	(63,645)
		6929306	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	287,151	5,675
		6929307	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	194,057	5,799
		6929308	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	99,708	53,827
		6929309	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	542,020	0
		6929310	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	0	0
		6929311	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	149,998	0
		6929312	G	P266300	NA14OAR4170077	Triantafyllou /Michael S	02/01/14	08/31/18	3,603	310,753	18,225
		6929314	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	73,023	0
		6929315	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	74,347	0
		6929316	G	P266300	NA14OAR4170077	Lermusiaux /Pierre	02/01/14	01/31/17	0	99,998	0
		6929317	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/18	0	125,507	(0)
		6929318	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	190,151	0
		6929319	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	175,000	0
		6929320	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	164,325	0
		6929321	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	84,665	0
		6929322	G	P266300	NA14OAR4170077	Downes /Timothy R	02/01/14	08/31/18	0	28,105	0
		6929749	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	0	2,916	(0)
		6929750	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	01/31/17	5,077	5,077	0
		6930191	G	P266300	NA14OAR4170077	Triantafyllou /Michael S	05/01/14	08/31/19	8,180	37,100	(4,121)
		6931357	G	P266300	NA14OAR4170077	Cooke /Chathan M	01/05/15	05/31/17	0	20,259	8,018
		6931444	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/15	01/31/18	0	149,569	0
		6931445	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/15	07/31/17	0	150,001	0
		6931446	G	P266300	NA14OAR4170077	Cooke /Chathan M	02/01/15	05/31/17	0	128,181	0
		6931447	G	P266300	NA14OAR4170077	Fang /Xuanlai	02/01/15	01/31/17	0	149,279	0
		6931448	G	P266300	NA14OAR4170077	Hemond /Harold F	02/01/15	01/31/18	0	137,671	(0)
		6931449	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/15	08/31/18	15,048	150,000	0
		6931450	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/15	01/31/18	0	44,173	0
		6932301	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	08/31/18	52,988	199,996	0
		6932302	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	08/31/18	9,759	150,001	6,764
		6932320	G	P266300	NA14OAR4170077	Hemond /Harold F	02/01/15	01/31/18	(230)	12,084	0
		6933427	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	08/31/18	73,008	197,946	0
		6933428	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	08/31/18	41,023	195,623	0

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**Fiscal Year 2019**

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6933429	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	08/31/18	56,707	198,694	8,261
		6934068	G	P063007	NA16OAR4310112	Kroll /Jesse	07/01/16	06/30/20	20,109	278,339	75,460
		6934154	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	01/31/17	0	9,848	0
		6934225	G	P063007	NA16OAR4310112	Heald /Colette L.	07/01/16	06/30/20	91,573	246,883	115,875
		6934368	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/16	01/31/17	0	4,183	0
		6934381	G	P153000	NA16OAR4310177	Marshall /John C	07/01/16	06/30/20	86,049	576,584	295,725
		6934971	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	09/01/16	01/31/18	0	2,162	(0)
		6935570	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	03/01/16	08/31/17	0	5,017	0
		6935634	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	11/01/16	10/31/17	0	6,308	5,340
		6935744	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/17	08/31/18	15,875	339,064	11,738
		6935745	G	P266300	NA14OAR4170077	Swager /Timothy M	02/01/17	08/31/18	(1,282)	49,413	0
		6935746	G	P266300	NA14OAR4170077	Triantafyllou /Michael S	02/01/17	08/31/18	18,236	91,824	0
		6935811	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/17	08/31/18	896	12,850	76
		6936132	G	P063007	NA16OAR4310112	Kroll /Jesse	08/01/16	07/31/17	0	6,235	0
		6936755	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	07/01/17	08/31/18	1,176	3,861	0
		6937000	G	P266300	NA14OAR4170077	Triantafyllou /Michael S	09/01/17	08/31/18	3,795	30,000	26,064
		6937018	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	08/01/17	01/31/19	7,475	10,000	1,529
		6937083	G	P266300	NA17OAR4170295	Triantafyllou /Michael S	09/01/17	08/31/19	132,423	312,081	179,658
		6937540	G	P266300	NA14OAR4170077	Liu /Yuming	10/01/17	11/30/18	2,668	10,000	0
		6938055	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/21	0	1,070,193	1,070,193
		6938074	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	500,111	532,584	(169,272)
		6938075	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	7,842	78,181	66,518
		6938076	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	322,588	305,741	(103,258)
		6938077	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	71,803	108,956	(67,691)
		6938078	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	135,558	151,071	(5,302)
		6938079	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	96,333	69,364	(91,607)
		6938080	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	108,506	213,378	41,399
		6938081	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	95,865	139,023	41,623
		6938082	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	5,898	35,314	29,048
		6938083	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	28,768	127,129	98,361
		6938084	G	P266300	NA18OAR4170105	Swager /Timothy M	02/01/18	07/31/19	79,060	99,410	0
		6938085	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	2,307	91,816	89,509
		6938086	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	34,710	113,004	78,294
		6938087	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	65,839	90,110	24,271
		6938088	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	19,786	98,410	78,624
		6938089	G	P266300	NA18OAR4170105	Cooke /Chathan M	02/01/18	01/31/20	46,103	77,649	(4,263)
		6938104	G	P266300	NA18OAR4170105	Downes /Timothy R	02/01/18	01/31/20	1,350	18,249	16,104
		6938400	G	P266300	NA18OAR4170105	Chryssostomidis /Chryssostomo	02/01/18	01/31/19	335	13,408	13,072
		6938615	G	P266300	NA18OAR4170105	Gershenfeld /Neil A	02/01/18	01/31/20	7,181	9,900	2,719
		6938755	G	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	02/01/18	01/31/20	249,634	342,730	92,909
		6939220	G	P063007	NA18OAR4310110	Kroll /Jesse	07/01/18	06/30/21	36,632	268,322	231,690
		6939408	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	07/01/18	01/31/20	92,169	123,085	30,916
		6939601	G	P153000	NA18NWS4680058	Emanuel /Kerry Andrew	09/01/18	08/31/20	157,629	339,571	181,942
		6939984	G	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	07/01/18	01/31/20	2,860	7,500	4,640
		6940016	G	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	07/01/18	01/31/20	3,728	5,000	1,272
		6940343	G	P063000	NA18OAR4310110	Heald /Colette L.	07/01/18	06/30/19	23,493	17,137	(6,356)
		6940572	G	P266300	NA18OAR4170105	Chryssostomidis /Chryssostomo	02/01/19	01/31/20	10,528	53,879	43,351
		6940986	G	P266300	NA18OAR4170105	Lermusiaux /Pierre	02/01/19	01/31/21	0	100,000	100,000
		6940987	G	P266300	NA18OAR4170105	Liu /Yuming	02/01/19	01/31/21	0	99,974	99,974

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		6940988	G	P266300	NA18OAR4170105	Sapsis /Themistoklis Panagioti	02/01/19	01/31/21	0	99,913	99,913
		6940989	G	P266300	NA18OAR4170105	Yue /Dick K. P.	02/01/19	01/31/21	0	99,458	99,458
	002039 Aerodyne Rese	6939657	C	P063007	ARI 11436-1	Kroll /Jesse	07/17/18	01/16/19	39,481	39,410	(71)
	006875 Northeastern U	6935162	G	P266300	599807-78050	Chrysostomidis /Chrysostomo	02/01/16	01/31/18	0	22,601	321
	<b>Total by Primary Sponsor</b>								<b>2,903,444</b>	<b>15,068,612</b>	<b>3,345,222</b>
000618 U.S. Department of Education	000618 U.S. Departmer	6932945	G	P061093	P116F150045	Willcox /Karen E	10/01/15	09/30/20	285,141	2,891,882	1,581,017
	<b>Total by Primary Sponsor</b>								<b>285,141</b>	<b>2,891,882</b>	<b>1,581,017</b>
000626 U.S. Federal Emergency Management Agency	006725 National Acade	6939596	C	P069500	2000009447	Sheffi /Yosef	06/24/18	08/31/19	245,711	516,717	271,006
	009001 Lincoln Laborat	6937248	C	P069500	PO# 7000397469	Sheffi /Yosef	07/01/17	05/31/19	113,670	304,000	81
	<b>Total by Primary Sponsor</b>								<b>359,381</b>	<b>820,717</b>	<b>271,087</b>
000634 U.S. Environmental Protection Agency	000634 U.S. Environmental Protection Agency	6933788	G	P165000	83618301	Kroll /Jesse	05/01/16	04/30/21	54,571	375,441	155,465
		6933789	G	P165000	83618301	Kroll /Jesse	05/01/16	04/30/21	48,435	169,862	80,964
		6933827	G	P165000	83618301	Heald /Colette L.	05/01/16	04/30/21	10,273	30,201	2,910
		6933897	G	P165000	83618301	Kroll /Jesse	05/01/16	04/30/21	68,966	110,796	41,830
		6938564	G	P165000	83618301	Kroll /Jesse	04/01/18	12/31/19	17,911	63,700	45,575
	006937 RTI Internation	6938644	C	P159400	16-312-0213426-65208L/P	Reilly /John M	03/13/18	09/30/18	149,492	249,989	(0)
	006977 Harvard School	6934711	G	P159400	112544-5087396	Selin /Noelle E	12/01/15	11/30/19	243,282	1,190,590	516,279
	007845 Yale University	6939096	G	P063000	GR103296 (CON-80001285	Plata /Desiree Louise	07/01/18	08/31/20	144,509	311,513	167,004
	<b>Total by Primary Sponsor</b>								<b>737,439</b>	<b>2,502,092</b>	<b>1,010,029</b>
000654 U.S. National Security Agency/Maryland Procurement Office	003157 HRL Laboratori	6938516	C	P267300	15026-503667-DS	Oliver /William D	01/01/18	04/30/19	367,041	400,000	629
	007699 Vanderbilt University	6938535	C	P095500	SUBCONTRACT UNIV6007	Choucri /Nazli	01/30/18	01/29/20	131,440	131,440	(0)
		6940344	C	P095500	SUBCONTRACT UNIV6007	Choucri /Nazli	01/30/19	01/29/20	31,694	155,144	123,450
	<b>Total by Primary Sponsor</b>								<b>530,175</b>	<b>686,584</b>	<b>124,080</b>
000656 Food and Drug Administration	000656 Food and Drug Administration	6939095	G	P069400	1-U01FD006483-01	Sinskey /Anthony J	09/01/18	08/31/20	1,305,150	2,975,872	1,670,723
		6939503	G	P069400	1-R01-FD006584-01	Sinskey /Anthony J	09/20/18	08/31/19	207,172	600,000	392,828
		6939927	G	P069400	1-U01FD006483-01	Sinskey /Anthony J	11/01/18	08/31/19	5,074	21,003	15,929
	<b>Total by Primary Sponsor</b>								<b>1,517,395</b>	<b>3,596,875</b>	<b>2,079,480</b>
000662 U.S. Department of State	102823 Solar Sister, Inc	6936133	G	P035000	AGREEMENT DATED 4/1/1	Sanyal /Bishwapriya	04/01/17	01/15/18	0	124,302	24,342
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>124,302</b>	<b>24,342</b>
000665 National Academies	103205 The Water Insti	6938973	G	P063007	NAS-2017-TRAN-CE	Nepf /Heidi	12/01/17	11/30/19	66,429	80,144	13,715
	<b>Total by Primary Sponsor</b>								<b>66,429</b>	<b>80,144</b>	<b>13,715</b>
000674 Intelligence Advanced Research Projects Activity (IARPA)	000674 Intelligence Adv	6940582	C	P067952	2019-19020100001	Rus /Daniela L	03/27/19	03/26/20	0	500,000	500,000
	003157 HRL Laboratori	6937913	C	P039000	16102-172807-QS/COST A	Rahwan /Iyad	12/20/17	11/06/18	114,072	278,730	(0)
	006120 Harvard Univer	6936929	C	P400600	138076-5093553	DiCarlo /James	07/15/17	07/14/18	(4)	120,000	(0)
	007616 University of Southern California	6937906	C	P065005	90502031	Lloyd /Seth	06/09/17	08/08/19	206,376	660,227	239,599
		6937962	C	P067952	NO. 94711981	Barzilay /Regina	09/25/17	08/22/21	119,772	348,152	187,161
	010147 Siemens Medic	6929661	C	P400600	102-01	Kanwisher /Nancy	11/01/13	04/30/17	(43,510)	369,320	0

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	010852 Raytheon BBN Technologies Corp.	6935182	C	P093800	LBN9513341	Tan /Philip B	03/25/16	05/25/18	(2,259)	50,952	(0)
		6936055	C	P093800	LBN9513341	Tan /Philip B	03/25/17	05/25/18	(325)	97,013	0
		6937573	C	P267111	LBN9513584	Englund /Dirk R.	08/07/17	07/30/18	1,363	62,564	0
		6938393	C	P267111	LBN9513584	Englund /Dirk R.	08/07/17	06/30/18	1,510	22,357	0
	011147 SYSTEMS & TE	6937966	C	P067952	2017-0031	Torralba /Antonio	09/20/17	03/19/19	244,015	315,000	39,556
	011382 IBM Thomas J. Watson Research Cent	6937580	C	P067952	SUBCONTRACT 49170174	Oliva /Aude	11/06/17	03/20/19	444,028	598,043	2,132
		6938252	C	P067952	SUBCONTRACT 49170174	Oliva /Aude	11/06/17	12/21/17	0	6,000	6,000
		6940701	C	P067952	SUBCONTRACT 49170174	Oliva /Aude	03/20/19	09/19/20	139,622	294,155	154,533
	102284 Claremont Grac	6938949	C	P400600	GR200198	Poggio /Tomaso A	06/11/18	06/10/19	17,707	19,297	1,590
	<b>Total by Primary Sponsor</b>								<b>1,242,365</b>	<b>3,741,810</b>	<b>1,130,570</b>
000676 U.S. DOT Federal Highway Administration	000676 U.S. DOT Fede	6932478	C	P063007	DTFH6115C00033	Ben-Akiva /Moshe E	09/15/15	12/14/19	386,597	1,400,000	87,429
	001161 Massachusetts Department of Transportation	6928559	C	P035000	CONTRACT #81074	Zhao /Jinhua	07/01/14	06/30/18	133	722,213	141
		6938129	C	P035000	CONTRACT #81074	Zhao /Jinhua	07/01/14	06/30/18	0	21,659	0
	<b>Total by Primary Sponsor</b>								<b>386,730</b>	<b>2,143,872</b>	<b>87,569</b>
000680 U.S. Department of Transportation	000680 U.S. Department of Transportation	6928838	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	09/30/19	0	2,486	2,486
		6929325	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	09/30/19	188,928	552,021	9,783
		6929326	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	09/30/19	63,729	160,000	29,979
		6929327	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	09/30/19	31,736	100,000	9,648
		6929328	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/18	80,951	871,899	0
		6929329	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/18	0	1,156,230	0
		6929330	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/18	0	362,728	0
		6929331	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	06/30/19	92,534	2,179,549	303,480
		6931332	G	P069500	DTRT13-G-UTC31	Ben-Akiva /Moshe E	09/30/13	08/31/17	0	105,939	0
		6931333	G	P069500	DTRT13-G-UTC31	Caplice /Christopher	09/30/13	05/31/17	0	194,676	0
		6931334	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/17	0	15,988	0
		6931335	G	P069500	DTRT13-G-UTC31	Frazzoli /Emilio	09/30/13	05/31/17	0	40,002	0
		6931336	G	P069500	DTRT13-G-UTC31	Sheffi /Yosef	09/30/13	12/31/18	13,979	101,028	(0)
		6931337	G	P069500	DTRT13-G-UTC31	Gonzalez /Marta C.	09/30/13	05/31/17	19	75,000	(0)
		6931338	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/17	0	86,516	0
		6931339	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/17	0	52,464	(0)
		6931340	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	05/31/17	0	68,893	0
		6931341	G	P069500	DTRT13-G-UTC31	Osorio Pizano /Carolina	09/30/13	05/31/17	(0)	78,212	0
		6931342	G	P069500	DTRT13-G-UTC31	Pentland /Alex Paul	09/30/13	01/31/18	0	100,000	0
		6931343	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	08/31/17	0	76,273	(0)
		6931344	G	P069500	DTRT13-G-UTC31	Salvucci /Frederick P	09/30/13	05/31/17	0	132,617	0
		6931345	G	P069500	DTRT13-G-UTC31	Sussman /Joseph M	09/30/13	01/31/18	0	100,000	(0)
		6931346	G	P069500	DTRT13-G-UTC31	Trancik /Jessika	09/30/13	05/31/18	0	100,034	0
		6931347	G	P069500	DTRT13-G-UTC31	Zegras /Pericles C	09/30/13	08/31/17	0	96,719	(0)
		6931348	G	P069500	DTRT13-G-UTC31	Zhao /Jinhua	09/30/13	08/31/17	0	98,326	0
		6936232	C	P271000	DTRT5717C10121	Bourg /Mary C	04/01/17	09/30/19	73,933	180,654	17,887
		6940159	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	06/30/19	47,946	85,000	37,054
		6940160	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	06/30/19	66,038	75,000	8,963
		6940161	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	08/31/19	49,412	90,000	40,588
		6940162	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	06/30/19	80,939	85,000	4,061
		6940163	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	06/30/19	53,937	75,000	21,063

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6940164	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	06/30/19	62,845	75,000	12,155
		6940165	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	06/30/19	77,230	75,000	(2,230)
		6940166	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/01/18	07/31/19	63,372	75,000	11,628
		6940167	G	P069500	DTRT13-G-UTC31	Sheffi /Yosef	09/01/18	06/30/19	74,610	75,000	390
		6940168	G	P069500	DTRT13-G-UTC31	Zegras /Pericles C	09/01/18	06/30/19	36,274	50,000	13,726
		6940169	G	P069500	DTRT13-G-UTC31	Zhao /Jinhua	09/01/18	06/30/19	43,989	50,000	6,011
	<b>Total by Primary Sponsor</b>								<b>1,202,401</b>	<b>7,898,254</b>	<b>526,672</b>
000682 US DOT - Federal Aviation Administration	000682 US DOT - Federal Aviation Administration	6928689	G	P061094	13-C-AJFE-MIT-01	Hansman /Robert J	09/20/13	09/10/19	0	174	174
		6928691	G	P061094	13-C-AJFE-MIT-01	Hansman /Robert J	09/20/13	11/30/15	0	9,826	0
		6930794	G	P061094	13-C-AJFE-MIT-030	Hansman /Robert J	08/01/14	08/31/18	23,370	241,893	0
		6930795	G	P061094	13-C-AJFE-048	Barrett /Steven R. H.	09/01/14	08/31/19	410,085	2,235,000	324,999
		6930796	G	P061094	13-C-AJFE-042	Barrett /Steven R. H.	09/01/14	08/31/20	26,105	600,000	(83)
		6930797	G	P061094	13-C-AJFE-005	Barrett /Steven R. H.	09/01/14	08/31/15	0	95,000	(0)
		6930798	G	P061094	13-C-AJFE-MIT-038	Hansman /Robert J	08/15/14	08/31/18	0	643,872	0
		6930799	G	P061094	13-C-AJFE-032	Barrett /Steven R. H.	09/01/14	08/31/20	81,751	850,000	(470)
		6931078	G	P061094	13-C-AJFE-046	Hansman /Robert J	11/01/14	03/29/20	117,903	860,000	210,365
		6931352	G	P061094	13-C-AJFE-010	Barrett /Steven R. H.	12/04/14	09/30/16	0	150,000	(0)
		6931398	G	P061094	13-C-AJFE-011	Willcox /Karen E	08/15/14	08/31/15	0	25,839	0
		6934455	G	P061094	13-C-AJFE-MIT-047	Balakrishnan /Hamsa	07/07/16	08/31/19	82,587	225,000	17,405
		6934459	G	P061094	13-C-AJFE-MIT-043	Barrett /Steven R. H.	07/08/16	08/31/20	174,101	344,650	(94,555)
		6934460	G	P061094	13-C-AJFE-MIT-045	Barrett /Steven R. H.	07/08/16	08/31/19	117,918	350,000	(41,785)
		6934814	G	P061093	16-G-011	Hansman /Robert J	10/01/16	08/08/19	97,774	300,000	47,010
		6935001	G	P062000	13-C-AJFE-MIT-026	Green /William H	07/08/16	08/31/20	22,506	145,350	17,078
		6939716	G	P061094	13-C-AJFE-MIT-050	Hansman /Robert J	09/01/18	08/31/19	114,691	350,000	235,309
		6940709	G	P061094	13-C-AJFE-MIT-052	Barrett /Steven R. H.	12/30/18	03/28/20	83,335	250,000	166,665
	007741 University of Maryland - College Park	6937501	C	P061093	53583-Z9089201	Hansman /Robert J	09/07/17	01/31/19	19,935	89,964	0
		6937703	C	P061093	53580-Z9090201	Hansman /Robert J	09/30/17	03/29/19	47,827	87,500	(0)
	<b>Total by Primary Sponsor</b>								<b>1,419,890</b>	<b>7,854,067</b>	<b>882,111</b>
000683 U.S. Department of Transportation TSC	000683 U.S. Department of Transportation TSC	6932981	G	P065005	PO # DTRT5716P80015	Wierzbicki /Tomasz	11/16/15	11/15/17	39	149,930	(0)
		6936832	C	P065005	DTRT5717P80110/V33310	Wierzbicki /Tomasz	07/21/17	12/15/19	0	150,000	79,605
	<b>Total by Primary Sponsor</b>								<b>39</b>	<b>299,930</b>	<b>79,605</b>
000686 U.S. DOT-Federal Railroad Administration	000686 U.S. DOT-Federal Railroad Administration	6934979	C	P061097	DTR5316P00052	Oman /Charles M	10/01/16	03/31/19	7,012	102,399	(169)
		6939870	C	P061097	693JJ618C000010	Oman /Charles M	09/30/18	09/29/19	61,725	500,000	438,275
	002260 Aurora Flight Sciences Corporation	6939421	C	P061097	SUBCONTRACT# AMA-18-	Oman /Charles M	07/01/18	04/26/19	45,568	45,784	216
		6940024	C	P061097	SUBCONTRACT AMA-18-C	Oman /Charles M	09/04/18	03/15/19	12,712	12,713	1
	006484 General Electric	6940636	C	P061097	PO# 401122591	Oman /Charles M	10/01/18	12/31/20	14,155	178,419	164,264
	<b>Total by Primary Sponsor</b>								<b>141,172</b>	<b>839,315</b>	<b>602,587</b>
000688 U.S. Geological Survey	000688 U.S. Geological Survey	6938942	G	P153000	G18AP00051	Floyd /Michael	07/01/18	06/30/19	47,164	47,651	487
		6939171	G	P153000	104480971	Herring /Thomas A	02/01/18	01/31/19	17,995	17,995	0
		6939291	G	P153000	104480971	Floyd /Michael	02/01/18	01/31/19	19,986	19,986	0
	<b>Total by Primary Sponsor</b>								<b>85,145</b>	<b>85,632</b>	<b>487</b>
000696 U.S. Department of	000696 U.S. Department of	6938110	G	P402410	R17AC00135	Lienhard /John H	02/01/18	06/30/20	72,765	150,000	36,476

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Department of Interior-Bureau of Reclamation	of Interior-Bureau of Reclamation	6938981	G	P065005	R17AC00150	Winter /Amos G	09/01/17	03/31/19	189,825	189,825	(0)
		6939091	G	P065005	R17AC00150	Winter /Amos G	09/01/17	12/31/18	10,145	10,145	0
	<b>Total by Primary Sponsor</b>								<b>272,735</b>	<b>349,970</b>	<b>36,476</b>
000699 U.S. Agency for International Development	000699 U.S. Agency for International Development	6926870	G	P035000	AID-OAA-A-12-00095	Frey /Daniel	10/01/12	09/30/22	0	0	0
		6926871	G	P035000	AID-OAA-A-12-00095	Frey /Daniel	10/01/12	09/30/18	15,230	1,747,549	0
		6927093	G	P035000	AID-OAA-A-12-00095	Sanyal /Bishwapriya	10/01/12	12/31/17	0	2,250,635	(0)
		6927094	G	P069500	AID-OAA-A-12-00095	Sheffi /Yosef	10/01/12	12/31/17	0	1,357,728	0
		6927095	G	P440105	AID-OAA-A-12-00095	Smith /Amy B	10/01/12	12/31/17	0	1,292,054	0
		6927096	G	P069400	AID-OAA-A-12-00095	de Weck /Olivier L	10/01/12	12/31/17	0	1,176,219	0
		6933499	G	P069500	AID-OAA-A-12-00095	Caplice /Christopher	01/19/16	09/30/22	602,480	2,447,931	566,013
		6934817	G	P065005	AID-OAA-A-16-00058	Winter /Amos G	09/20/16	09/19/19	660,501	2,199,770	295,598
		6934838	G	P440104	AID-OAA-A-12-00095	Smith /Amy B	10/01/16	09/30/18	0	5,470	(0)
		6936566	G	P065005	AID-OAA-A-16-00058	Winter /Amos G	02/14/17	12/31/17	0	8,440	599
		6936568	G	P402000	CONTRACT DATED 5/7/20	Belcher /Angela M	06/01/17	04/15/18	(3)	15,470	0
		6938149	G	P065005	AID-OAA-A-16-00058	Winter /Amos G	02/01/18	07/06/18	0	14,860	14,860
		6938749	G	P440108	AID-OAA-A-12-00095	Frey /Daniel	06/01/18	06/30/19	94,637	100,000	(912)
		6938750	G	P440108	AID-OAA-A-12-00095	Frey /Daniel	05/01/18	01/31/20	323,476	468,801	118,630
		6938751	G	P440108	AID-OAA-A-12-00095	Frey /Daniel	10/01/12	08/31/19	464,865	656,167	122,614
		6940001	G	P065005	AID-OAA-A-16-00058	Winter /Amos G	12/01/18	04/30/19	15,145	5,360	(9,785)
		6940639	G	P440108	AID-OAA-A-12-00095	Verploegen /Eric Anton	04/01/19	12/31/20	24,938	163,956	139,018
		6940640	G	P440108	AID-OAA-A-12-00095	Hoffecker /Elizabeth A	04/01/19	05/31/21	16,092	162,511	146,419
		6940686	G	P065004	72026319CA00003	Ghoniem /Ahmed F	02/20/19	02/19/24	0	10,409,419	10,409,419
		6941068	G	P065004	72026319CA00003	Ghoniem /Ahmed F	02/20/19	08/20/19	0	252,000	252,000
	006725 National Academy of Sciences	6938265	G	P065005	SUBAWARD 2000009130	Wang /Evelyn	03/01/18	03/31/20	4,768	52,200	47,432
	007646 University of Hawaii	6934635	G	P031000	MA1030	Mazereeuw /Miho	06/16/16	12/31/18	0	2	2
		6934636	G	P031000	MA1030	Mazereeuw /Miho	06/16/16	12/31/18	47,314	570,656	(0)
		6935476	G	P031000	MA1030	Mazereeuw /Miho	06/16/16	12/31/18	11,536	496,342	0
	012011 The QED Group	6932640	G	P091020	KDAD-15-001	Glennester /Rachel	08/11/15	01/31/18	(3,090)	99,294	(0)
	104071 Institut Teknologi Bandung (ITB)	6938673	C	P065005	0600/I1.B04/PKS-WRRIM/I	Wierzbicki /Tomasz	03/01/18	08/31/18	3,408	100,000	96,592
		6940627	C	P065002	IIE00000078-ITB-1	Wierzbicki /Tomasz	01/14/19	12/31/20	0	150,000	150,000
	105192 Agribusiness Associates	6940227	G	P440108	AGREEMENT DTD 1/16/19	Verploegen /Eric Anton	12/20/18	04/26/19	16,224	16,224	(0)
	<b>Total by Primary Sponsor</b>								<b>2,297,520</b>	<b>26,219,058</b>	<b>12,348,498</b>
000709 Softwood Lumber Board	000709 Softwood Lumber Board	6938668	C	P159400	MRA DTD. 05/22/2018	Winchester /Niven Stewart	01/01/18	12/31/18	2,494	20,000	(200)
	<b>Total by Primary Sponsor</b>								<b>2,494</b>	<b>20,000</b>	<b>(200)</b>
000721 Department of Interior - Interior Business Center	000721 Department of Interior - Interior Business Center	6932718	C	P159900	D15PC00242	Harrow /Aram W.	09/28/15	03/27/17	(1,672)	421,000	0
		6938957	G	P062000	D18AP00039	Kulik /Heather Janine	07/02/18	07/01/20	209,464	500,000	290,536
		6938958	G	P066000	D18AP00070	Hu /Juejun	07/02/18	07/01/20	217,390	335,256	117,866
		6939001	G	P417500	D18AC00019	Beach /Geoffrey Stephen	04/01/18	12/31/19	298,932	413,838	114,906
		6939010	G	P067952	D18AP00065	Vaikuntanathan /Vinod	07/02/18	07/01/20	282,120	500,000	217,880
		6939079	G	P066000	D18AP00070	Hu /Juejun	07/02/18	07/01/19	0	63,594	63,594
		6939097	G	P417500	D18AC00019	Ross /Caroline A	04/01/18	12/31/19	86,250	94,500	8,250

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		6940003	G	P267100	D18AC00037	Vuletic /Vladan	10/01/18	03/31/20	2,919	66,297	63,378
		6940155	G	P267100	D18AC00037	Vuletic /Vladan	10/01/18	03/31/20	70,976	120,132	49,156
		6940156	G	P267100	D18AC00037	Vuletic /Vladan	10/01/18	03/31/20	43,685	114,934	71,249
		6940157	G	P267100	D18AC00037	Vuletic /Vladan	10/01/18	03/31/20	38,399	114,934	76,536
	006120 Harvard Univers	6933698	C	P039070	167937-5093336	Boyden /Edward	01/15/16	08/15/18	71,426	459,120	(0)
	007180 Purdue Univers	6940314	G	P267100	15200066-022	Cappellaro /Paola	10/01/18	09/30/19	131,354	342,143	210,789
	007534 University of California-San Diego	6940152	G	P417500	111438341	Gedik /Nuh	10/01/18	09/30/19	66,484	59,135	(7,349)
		6940175	G	P267111	111438341	Englund /Dirk R.	10/01/18	09/30/19	4,856	59,135	54,279
		6940176	G	P069850	111438341	Checkelsky /Joseph	10/01/18	09/30/19	137,819	59,135	(78,684)
	010903 Dynamic Object Language Labs, Inc.	6934889	C	P067952	AGREEMENT EFF. 07/01/2	Winston /Patrick H	07/01/16	06/30/19	5,945	300,000	539
		6939149	C	P067952	AGREEMENT EFF. 07/01/2	Winston /Patrick H	07/01/18	06/30/19	139,446	150,000	10,554
Total by Primary Sponsor									1,805,792	4,173,153	1,263,477
000753 The Institute of Physical and Chemical Research (RIKEN)	000753 The Institute of Physical and Chemical Research (RIKEN)	6933619	C	P159300	COLLAB AGMT SIGNED 1/	Tonegawa /Susumu	04/01/16	03/31/17	0	3,734,294	0
		6933620	C	P159300	COLLAB AGMT SIGNED 1/	Tonegawa /Susumu	04/01/16	03/31/17	(1,569)	3,179,817	(0)
		6936025	C	P159300	COLLAB AGMT SIGNED 1/	Tonegawa /Susumu	04/01/17	03/31/18	(11,766)	3,066,599	(0)
		6938301	G	P159300	AGMT FOR COLLABORAT	Tonegawa /Susumu	04/01/18	03/31/23	2,035,825	1,781,176	(568,159)
	Total by Primary Sponsor									2,022,490	11,761,886
000780 U.S. Veterans Administration	000780 U.S. Veterans Administration	6935450	C	P065004	VA245-16-P-0574 P00001	Anthony /Brian	08/01/16	10/18/17	0	45,482	(186)
	Total by Primary Sponsor									0	45,482
000841 National Reconnaissance Office	006968 ESPACE	6928454	C	P061090	AGMT. DTD. 8/14/13	Lozano /Paulo C	08/08/13	05/31/19	431,442	3,194,430	160,625
		6933171	C	P061090	AGMT. DTD. 8/14/13	Lozano /Paulo C	09/01/15	05/31/17	0	64,814	0
		6934560	C	P061090	AGMT. DTD. 8/14/13	Lozano /Paulo C	12/01/15	05/31/19	31,644	121,401	2,842
	Total by Primary Sponsor									463,086	3,380,645
000850 U.S. Department of Justice	102965 Middlesex Cour	6938232	C	P095500	AGMT. DTD. 04/02/18	Hidalgo /Fernando Daniel	02/01/18	09/30/19	15	48,189	48,174
	Total by Primary Sponsor									15	48,189
001001 Chicago Transit Authority	001001 Chicago Transit Authority	6933954	C	P035000	PO B16OP04443-12 REV2	Zhao /Jinhua	06/01/16	08/31/19	549,694	1,888,523	57,715
		6940305	C	P035000	AGMT. DTD. 06/16/2019	Zhao /Jinhua	06/16/19	06/15/22	0	1,687,637	1,687,637
	Total by Primary Sponsor									549,694	3,576,160
001009 Massport	001009 Massport	6937441	C	P061093	AGMT DATED 8/14/17	Hansman /Robert J	10/01/16	03/31/19	66,378	75,000	1
	Total by Primary Sponsor									66,378	75,000
001010 Commonwealth of Massachusetts - Miscellaneous	001010 Commonwealth	6939041	C	P069850	M2I2	Tibbits /Skylar	11/01/17	06/30/18	160,990	100,000	(60,990)
	Total by Primary Sponsor									160,990	100,000
001012 Massachusetts Bay Transportation Authority	001012 Massachusetts	6936920	C	P069500	PO: 9000006188 - AGREEMENT	Whittle /Andrew	07/01/17	06/30/19	735,784	1,750,000	440,694
	Total by Primary Sponsor									735,784	1,750,000
001055 Institute of Nuclear Energy Research	001055 Institute of Nuclear Energy Research	6934305	C	P159400	FS1060272	Reilly /John M	06/02/16	12/31/18	51,890	330,000	(6,481)

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Research	Research	6940822	C	P159400	FS1060272	Chen /Yen-Heng	01/01/19	12/31/19	43,744	85,000	41,256
	Total by Primary Sponsor								95,634	415,000	34,775
001089 Government of Aragon (Spain)	001089 Government of Aragon (Spain)	6895199	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/25	0	89,771	89,831
		6895766	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/23	75,549	5,763,661	42,115
		6895767	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	12/01/03	05/14/15	0	86,144	(0)
		6895768	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/23	0	4,361,354	0
		6895930	C	P069501	MOA OF 7/23/03	Gallien /Jeremie	07/23/03	05/31/05	0	76,507	(0)
		6896035	C	P069501	MOA OF 7/23/03	Bitran /Gabriel R	07/23/03	08/31/06	0	16,925	0
		6896083	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	03/01/04	09/30/13	0	183,399	0
		6896409	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	05/01/04	09/30/13	0	478,988	0
		6897143	C	P069501	MOA OF 7/23/03	Novak /Sharon	07/23/03	11/30/06	0	4,946	0
		6897322	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	06/30/08	0	90,726	(0)
		6898309	C	P069501	MOA OF 7/23/03	Fine /Charles H	07/23/03	09/30/05	0	96	(0)
		6899128	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	09/01/05	09/30/23	0	383,855	(0)
		6914132	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/13	0	68,719	0
		6918297	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	09/01/08	09/30/23	0	527,539	(0)
		6918793	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/01/08	09/30/23	37,200	838,000	1,222
		6919786	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/13	0	57,999	(0)
		6919959	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/13	0	53,455	(0)
		6920859	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	10/01/09	09/30/23	68,400	1,856,120	349,701
		6920860	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	10/01/09	09/30/13	0	5,761	0
		6925909	C	P069501	MOA OF 7/23/03	Blanco /Edgar	04/01/12	05/14/15	0	113,823	0
		6925939	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	05/01/12	09/30/23	0	262,382	0
		6926306	C	P069501	MOA OF 7/23/03	Sheffi /Yosef	07/23/03	09/30/23	0	1,277,785	0
		6926407	C	P069501	AGRMNT DTD 8/1/2012	Sheffi /Yosef	08/01/12	09/30/23	0	63,887	0
		Total by Primary Sponsor								181,149	16,661,842
001095 Deutsches Elektronen-Synchro tron (DESY)	001095 Deutsches Elektronen-Synchrotron (DESY)	6923877	C	P267600	WORK PACKAGE 1 UNDE	Kaertner /Franz X	01/01/11	06/30/16	0	1,390,339	(0)
		6923878	C	P267600	WORK PACKAGE 2 UNDER COOPERATION	Kaertner /Franz X	01/01/11	12/31/18	48	2,194,564	6,003
		6924468	C	P267600	WORK PACKAGE 2 UNDE	Kaertner /Franz X	01/01/11	06/30/16	0	454,162	0
		6924469	C	P267600	WORK PACKAGE 1 UNDE	Kaertner /Franz X	01/01/11	06/30/16	0	314,661	0
	Total by Primary Sponsor								48	4,353,726	6,003
001100 Defense Scienc & Technology Agency	001100 Defense Scienc & Technology Agency	6939156	C	P067952	8018999998	Rus /Daniela L	06/01/18	05/31/21	851	0	(851)
		6940112	C	P067952	DST000ECI19300126	Glass /James R	12/21/18	12/21/21	1,813	0	(1,813)
		6940127	C	P067952	8018999998	Glass /James R	12/21/18	12/21/21	25,749	795,771	770,022
		6940128	C	P067952	8018999998	Glass /James R	12/21/18	12/21/21	130,428	791,141	660,713
	Total by Primary Sponsor								158,841	1,586,912	1,428,071
001104 King Abdulaziz City for Science & Technology (KACST)	001104 King Abdulaziz City for Science & Technology (KACST)	6924200	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/11	12/31/28	0	2,836,545	2,040,915
		6924201	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/11	06/30/13	0	464,494	(0)
		6924202	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/11	06/30/13	0	511,136	(0)
		6924203	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/11	06/30/13	0	457,985	(0)
		6926208	C	P068100	AGMT DTD. 7/1/11	Williams /John R	07/01/12	06/30/14	0	552,291	(0)
		6926934	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	09/01/12	08/31/14	0	482,154	0

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		6928112	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/13	06/30/19	0	154,450	29,563
		6928477	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/13	06/30/15	0	614,176	0
		6928478	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/13	06/30/15	0	577,660	0
		6928479	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/13	06/30/15	0	556,719	0
		6928480	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	07/01/13	06/30/15	0	724,203	(0)
		6929375	C	P068100	AGMT DTD. 7/1/11	de Weck /Olivier L	01/01/14	06/30/16	0	138,155	0
		6930019	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/13	06/30/19	0	805,368	50,729
		6932224	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/15	06/30/18	0	1,154,351	0
		6932750	C	P069400	AGMT DTD. 7/1/11	Gonzalez /Marta C.	07/01/15	06/30/17	0	253,655	(0)
		6932751	C	P069400	AGMT DTD. 7/1/11	Williams /Sarah E	07/01/15	06/30/17	0	248,973	0
		6932752	C	P069400	AGMT DTD. 7/1/11	Gonzalez /Marta C.	07/01/15	06/30/17	0	263,442	(0)
		6932753	C	P069400	AGMT DTD. 7/1/11	Reinhart /Christoph	07/01/15	06/30/17	0	250,485	(0)
		6932754	C	P069400	AGMT DTD. 7/1/11	Hidalgo Ramaciotti /Cesar A.	07/01/15	06/30/17	0	238,049	(0)
		6932755	C	P069400	AGMT DTD. 7/1/11	Rahwan /Ilyad	07/01/15	06/30/17	0	222,031	0
		6932756	C	P069400	AGMT DTD. 7/1/11	Eltahir /Elfatih A. B.	07/01/15	06/30/17	0	381,594	(0)
		6932757	C	P069400	AGMT DTD. 7/1/11	Cziczo /Daniel James	07/01/15	06/30/17	0	185,992	0
		6932878	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/15	06/30/17	0	588,185	(0)
		6932881	C	P069400	AGMT DTD. 7/1/11	Strzepek /Kenneth	07/01/15	06/30/17	0	400,720	0
		6933484	C	P069400	AGMT DTD. 7/1/11	Williams /John R	01/01/16	06/30/17	0	318,302	0
		6933516	C	P069400	AGMT DTD. 7/1/11	Karger /David R	01/01/16	06/30/17	0	180,430	0
		6935456	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/13	06/30/19	0	29,632	(0)
		6937549	C	P069400	AGMT DTD. 7/1/11	Reinhart /Christoph	07/01/17	06/30/19	265,135	330,000	2,827
		6937550	C	P069400	AGMT DTD. 7/1/11	Veeramachaneni /Kalyan	07/01/17	06/30/19	174,929	330,000	(25,267)
		6937551	C	P069400	AGMT DTD. 7/1/11	Rahwan /Ilyad	07/01/17	06/30/19	316,590	330,000	(1,257)
		6937552	C	P069400	AGMT DTD. 7/1/11	Schlosser /Courtney Adam	07/01/17	06/30/19	262,344	330,000	27,463
		6937553	C	P069400	AGMT DTD. 7/1/11	Shah /Devavrat	07/01/17	06/30/19	144,643	330,000	24,215
		6937554	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/17	06/30/19	178,117	330,000	10,850
		6937555	C	P069400	AGMT DTD. 7/1/11	Schlosser /Courtney Adam	07/01/17	12/31/19	171,614	430,000	51,818
		6937556	C	P069400	AGMT DTD. 7/1/11	Dahleh /Munther A	07/01/17	06/30/19	179,265	330,000	162
		6937557	C	P069400	AGMT DTD. 7/1/11	Sanchez /Abel	07/01/17	06/30/19	86,716	330,000	(51)
		6937558	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/17	06/30/19	233,009	330,000	57,449
		6937559	C	P069400	AGMT DTD. 7/1/11	Karger /David R	07/01/17	06/30/19	188,124	330,000	2,241
		6937560	C	P069400	AGMT DTD. 7/1/11	Youcef-Toumi /Kamal	07/01/17	06/30/19	308,928	697,824	170,614
		<b>Total by Primary Sponsor</b>							<b>2,509,416</b>	<b>18,019,000</b>	<b>2,442,270</b>
001134 Ministry of Defense of Israel	001134 Ministry of Defense of Israel	6933893	C	P061093	PO 4440719095	Lagace /Paul A	01/01/16	11/30/18	21,604	106,242	38,661
	<b>Total by Primary Sponsor</b>								<b>21,604</b>	<b>106,242</b>	<b>38,661</b>
001139 National Research Foundation	001139 National Research Foundation	6916013	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/07/06	12/31/22	0	8,222,483	8,222,483
		6916014	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/01/07	12/31/22	0	84,918	84,918
		6916015	C	P401862	AGREEMENT DATED 9/18	Hastings /Daniel E	07/01/07	12/31/12	0	17,980	0
		6916016	C	P401862	AGREEMENT DATED 9/18	Hastings /Daniel E	07/01/07	12/31/12	0	0	0
		6916017	C	P402012	AGREEMENT DATED 9/18	Chen /Jianzhu	07/01/07	12/31/12	0	2,099,585	(0)
		6916018	C	P069200	AGREEMENT DATED 9/18	Sasisekharan /Ram	07/01/07	12/31/12	0	1,834,856	(0)
		6916019	C	P069200	AGREEMENT DATED 9/18	Schauer /David	07/01/07	07/01/10	0	661,132	(0)
		6916020	C	P066000	AGREEMENT DATED 9/18	Dao /Ming	07/01/07	12/31/12	0	1,843,567	(0)
		6916021	C	P062000	AGREEMENT DATED 9/18	Hammond /Paula T	07/01/07	12/31/12	0	239,826	(0)
		6916022	C	P402012	AGREEMENT DATED 9/18	Chen /Jianzhu	07/01/07	12/31/12	0	172,581	(0)

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		6916023	C	P401862	AGREEMENT DATED 9/18	Ploegh /Hidde	07/01/07	03/31/12	0	457,604	0
		6916024	C	P401862	AGREEMENT DATED 9/18	Matsudaira /Paul T	07/01/07	06/30/09	0	488,589	0
		6916025	C	P063007	AGREEMENT DATED 9/18	Whittle /Andrew	07/01/07	12/31/12	0	492,050	(0)
		6916026	C	P401862	AGREEMENT DATED 9/18	Whittle /Andrew	07/01/07	03/31/12	0	124,274	0
		6916027	C	P266300	AGREEMENT DATED 9/18	Patrikalakis /Nicholas M	07/01/07	03/31/12	0	608,996	(0)
		6916029	C	P063007	AGREEMENT DATED 9/18	Madsen /Ole S	07/01/07	12/31/12	0	519,702	(0)
		6916030	C	P063007	AGREEMENT DATED 9/18	Adams /Edward E	07/01/07	12/31/12	0	1,026,645	(0)
		6916031	C	P401862	AGREEMENT DATED 9/18	Norford /Leslie Keith	07/01/07	12/31/12	0	554,190	0
		6916032	C	P063007	AGREEMENT DATED 9/18	Entekhabi /Dara	07/01/07	12/31/12	0	585,130	0
		6916033	C	P153000	AGREEMENT DATED 9/18	Rizzoli /Paola M	07/01/07	12/31/12	0	403,863	(0)
		6916034	C	P063007	AGREEMENT DATED 9/18	Eltahir /Elfatih A. B.	07/01/07	12/31/12	0	787,499	0
		6916035	C	P063007	AGREEMENT DATED 9/18	Harvey /Charles F	07/01/07	12/31/12	0	177,210	0
		6916036	C	P401862	AGREEMENT DATED 9/18	Hastings /Daniel E	07/01/07	03/31/15	0	0	0
		6916037	C	P063007	AGREEMENT DATED 9/18	Whittle /Andrew	10/01/08	12/31/12	0	961,363	0
		6916038	C	P405140	AGREEMENT DATED 9/18	Norford /Leslie Keith	10/01/08	12/31/12	0	309,258	0
		6916039	C	P063007	AGREEMENT DATED 9/18	Hemond /Harold F	10/01/08	12/31/12	0	511,917	(0)
		6916040	C	P266300	AGREEMENT DATED 9/18	Patrikalakis /Nicholas M	10/01/08	12/31/12	0	1,193,246	(0)
		6916041	C	P266300	AGREEMENT DATED 9/18	Triantafyllou /Michael S	10/01/08	12/31/12	0	838,764	(0)
		6916042	C	P065006	AGREEMENT DATED 9/18	Barbastathis /George	10/01/08	12/31/12	0	441,125	0
		6916043	C	P065006	AGREEMENT DATED 9/18	Barbastathis /George	10/01/08	12/31/12	0	997,697	0
		6916044	C	P031000	AGREEMENT DATED 9/18	Norford /Leslie Keith	10/01/08	09/30/09	0	33,677	(0)
		6916045	C	P031000	AGREEMENT DATED 9/18	Norford /Leslie Keith	10/01/08	09/30/09	0	3,185	0
		6916047	C	P065004	AGREEMENT DATED 9/18	Asada /Haruhiko	10/01/08	12/31/13	0	0	(869,894)
		6916048	C	P065004	AGREEMENT DATED 9/18	Barbastathis /George	10/01/08	12/31/13	0	524,999	0
		6916049	C	P062000	AGREEMENT DATED 9/18	Doyle /Patrick S	10/01/08	12/31/13	0	0	(943,371)
		6916050	C	P267110	AGREEMENT DATED 9/18	Han /Jongyoon	10/01/08	12/31/13	0	0	(1,040,802)
		6916051	C	P065004	AGREEMENT DATED 9/18	Kamm /Roger Dale	10/01/08	12/31/13	0	11,042	(916,360)
		6916052	C	P065005	AGREEMENT DATED 9/18	So /Peter T. C.	10/01/08	12/31/13	0	0	(817,988)
		6916053	C	P066000	AGREEMENT DATED 9/18	Van Vliet /Krystyn J	10/01/08	12/31/13	0	0	(1,269,946)
		6916054	C	P065005	AGREEMENT DATED 9/18	Lang /Matthew J	10/01/08	12/31/13	0	11,042	(778,206)
		6916055	C	P165000	AGREEMENT DATED 9/18	Tannenbaum /Steven R	10/01/08	12/31/13	0	429,231	(0)
		6916056	C	P069201	AGREEMENT DATED 9/18	Griffith /Linda G	10/01/08	12/31/13	0	0	(404,960)
		6916057	C	P067952	AGREEMENT DATED 9/18	Tidor /Bruce	10/01/08	12/31/13	0	0	(293,791)
		6916059	C	P165000	AGREEMENT DATED 9/18	Tannenbaum /Steven R	09/01/08	12/31/12	0	468,397	0
		6916061	C	P402010	AGREEMENT DATED 9/18	Love /John C	07/01/07	12/31/12	0	188,634	(0)
		6916062	C	P066000	AGREEMENT DATED 9/18	Van Vliet /Krystyn J	10/01/08	12/31/13	0	0	(143,950)
		6916063	C	P069200	AGREEMENT DATED 9/18	Niles /Jacquin	10/01/09	12/31/12	0	123,819	0
		6916064	C	P151066	AGREEMENT DATED 9/18	Saeij /Jeroen	10/01/09	02/28/13	0	138,666	0
		6916066	C	P152000	AGREEMENT DATED 9/18	Cao /Jianshu	07/01/09	12/31/12	0	465,442	(0)
		6916067	C	P165000	AGREEMENT DATED 9/18	Engelward /Bevin P	07/01/09	12/31/12	0	761,002	(0)
		6916068	C	P165000	AGREEMENT DATED 9/18	Dedon /Peter C	07/01/09	12/31/12	0	969,866	0
		6916069	C	P159400	AGREEMENT DATED 9/18	Wang /Chien	10/01/09	12/31/12	0	338,058	0
		6916070	C	P153000	AGREEMENT DATED 9/18	Boyle /Edward A	10/01/09	12/31/12	0	330,469	0
		6916073	C	P069850	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/10	06/30/11	0	69,137	(0)
		6916075	C	P068700	AGREEMENT DATED 9/18	Frazzoli /Emilio	12/01/09	03/01/16	0	824,976	(18,000)
		6916076	C	P154000	AGREEMENT DATED 9/18	Edelman /Alan	01/01/10	12/31/10	0	65,000	0
		6916077	C	P063007	AGREEMENT DATED 9/18	Ben-Akiva /Moshe E	10/01/09	03/01/16	0	0	(1,608,592)
		6916078	C	P060000	AGREEMENT DATED 9/18	Barnhart /Cynthia	10/01/09	03/01/16	0	0	(163,026)
		6916079	C	P068700	AGREEMENT DATED 9/18	Frazzoli /Emilio	10/01/09	03/01/16	0	1,706,650	0

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		6916080	C	P068700	AGREEMENT DATED 9/18	Jaillet /Patrick	10/01/09	03/01/16	0	0	(1,137,203)
		6916081	C	P061093	AGREEMENT DATED 9/18	Odoni /Amedeo R	10/01/09	03/01/16	0	0	(858,312)
		6916082	C	P067952	AGREEMENT DATED 9/18	Peh /Li-Shiuan	10/01/09	03/01/16	0	0	(1,099,940)
		6916083	C	P035000	AGREEMENT DATED 9/18	Ratti /Carlo	10/01/09	03/01/16	0	0	(1,291,784)
		6916084	C	P035000	AGREEMENT DATED 9/18	Zegras /Pericles C	10/01/09	04/30/16	(265)	0	(1,082,103)
		6916085	C	P093800	AGREEMENT DATED 9/18	Barrett /Edward C	02/14/10	06/30/11	0	83,674	0
		6916086	C	P267110	AGREEMENT DATED 9/18	Han /Jongyoon	05/01/10	12/31/11	0	49,915	0
		6916087	C	P267100	ING 09005	Hu /Qing	04/01/10	03/31/11	0	36,002	(0)
		6916088	C	P267110	ING 09007	Han /Jongyoon	05/01/10	04/30/12	0	194,095	0
		6916089	C	P067952	AGREEMENT DATED 9/18	Rus /Daniela L	05/01/10	03/01/16	(2,619)	0	(785,516)
		6916090	C	P401862	AGREEMENT DATED 9/18	Fernandez /John	05/01/10	03/31/14	0	0	(25,067)
		6916091	C	P064000	AGREEMENT DATED 9/18	Schindall /Joel E	02/01/10	02/01/12	0	32,549	0
		6916092	C	P266300	AGREEMENT DATED 9/18	Triantafyllou /Michael S	09/01/10	12/31/12	0	18,009	0
		6916093	C	P067952	AGREEMENT DATED 9/18	Katabi /Dina	07/01/10	03/01/16	(1,599)	0	(526,740)
		6916094	C	P035000	AGREEMENT DATED 9/18	Ferreira /Joseph	07/01/10	03/01/16	(5,193)	0	(752,767)
		6916095	C	P417000	AGREEMENT DATED 9/18	Socrate /Simona	07/01/10	03/31/12	0	49,918	0
		6916097	C	P065004	AGREEMENT DATED 9/18	Kamm /Roger Dale	07/01/09	09/30/13	0	127,110	0
		6916098	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/01/11	03/31/17	0	16,280	16,280
		6916099	C	P069850	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/01/11	03/31/17	0	173,494	(869)
		6916100	C	P069850	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	10/01/11	03/31/17	0	1,331,181	110,950
		6916101	C	P069850	AGREEMENT DATED 9/18	Antoniadis /Dimitri A	10/01/11	03/31/17	0	843,857	(1,594)
		6916102	C	P069850	AGREEMENT DATED 9/18	Buonassisi /Anthony	10/01/11	03/31/17	0	913,416	(40,965)
		6916103	C	P069850	AGREEMENT DATED 9/18	Michel /Jurgen	10/01/11	03/31/17	0	899,701	169
		6916104	C	P069850	AGREEMENT DATED 9/18	Palacios /Tomas	10/01/11	03/31/17	0	574,040	0
		6916105	C	P067952	AGREEMENT DATED 9/18	Peh /Li-Shiuan	10/01/11	03/31/17	0	899,546	(0)
		6916106	C	P069850	AGREEMENT DATED 9/18	Thompson /Carl Vernet	10/01/11	03/31/17	0	907,269	(2,134)
		6916107	C	P069850	AGREEMENT DATED 9/18	Shao-Horn /Yang	10/01/11	03/31/17	0	896,893	220
		6916108	C	P069850	AGREEMENT DATED 9/18	Wang /Evelyn	10/01/11	03/31/17	0	903,228	(57,354)
		6916109	C	P401862	AGREEMENT DATED 9/18/07	Fitzgerald /Eugene A	01/01/13	12/31/18	(56,296)	2,507	58,803
		6916110	C	P401862	AGREEMENT DATED 9/18	Hastings /Daniel E	01/01/13	04/30/18	0	105,382	25,388
		6916111	C	P063007	AGREEMENT DATED 9/18/07	Whittle /Andrew	01/01/13	12/31/18	10,857	1,537,777	7,015
		6916112	C	P063007	AGREEMENT DATED 9/18/07	Hemond /Harold F	01/01/13	12/31/18	(518)	497,074	189
		6916113	C	P266300	AGREEMENT DATED 9/18/07	Patrikalakis /Nicholas M	01/01/13	12/31/18	4,940	898,239	12,815
		6916114	C	P266300	AGREEMENT DATED 9/18/07	Triantafyllou /Michael S	01/01/13	12/31/18	37,184	1,051,244	(7,782)
		6916115	C	P065004	AGREEMENT DATED 9/18	Barbastathis /George	01/01/13	04/30/18	(3,755)	359,622	3,755
		6916116	C	P153000	AGREEMENT DATED 9/18	Rizzoli /Paola M	01/01/13	04/30/18	0	361,565	0
		6916117	C	P063007	AGREEMENT DATED 9/18/07	Eltahir /Elfatih A. B.	01/01/13	12/31/18	(131)	385,409	36,659
		6916118	C	P063007	AGREEMENT DATED 9/18/07	Harvey /Charles F	01/01/13	12/31/18	(102)	857,473	65
		6916119	C	P063007	AGREEMENT DATED 9/18	Madsen /Ole S	01/01/13	04/30/18	(9)	321,292	9
		6916128	C	P401862	AGREEMENT DATED 9/18	Norford /Leslie Keith	01/01/13	04/30/18	0	0	0
		6916129	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/13	04/30/18	0	2,965	2,965
		6916130	C	P402012	AGREEMENT DATED 9/18	Chen /Jianzhu	01/01/13	04/30/18	0	1,021,508	58,356
		6916131	C	P069201	AGREEMENT DATED 9/18	Sasisekharan /Ram	01/01/13	04/30/18	(55,416)	812,316	58,110
		6916132	C	P066000	AGREEMENT DATED 9/18	Dao /Ming	01/01/13	04/30/18	(2,461)	932,223	1,934

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6916133	C	P165000	AGREEMENT DATED 9/18	Tannenbaum /Steven R	01/01/13	04/30/18	(74)	515,211	1,131
		6916134	C	P402012	AGREEMENT DATED 9/18/07	Chen /Jianzhu	01/01/13	12/31/18	(30,333)	256,491	(26,000)
		6916135	C	P152000	AGREEMENT DATED 9/18/07	Cao /Jianshu	01/01/13	12/31/18	41,049	645,596	(30,829)
		6916136	C	P165000	AGREEMENT DATED 9/18	Engelward /Bevin P	01/01/13	04/30/18	0	254,483	0
		6916137	C	P165000	AGREEMENT DATED 9/18	Dedon /Peter C	01/01/13	04/30/18	3,919	940,139	(22)
		6916139	C	P402012	AGREEMENT DATED 9/18	Chen /Jianzhu	01/01/13	04/30/18	0	21,399	21,399
		6916141	C	P402012	AGREEMENT DATED 9/18	Chen /Jianzhu	01/01/13	04/30/18	0	367	0
		6916142	C	P063007	AGREEMENT DATED 9/18/07	Adams /Edward E	01/01/13	12/31/18	4,940	434,527	12,843
		6916143	C	P401862	AGREEMENT DATED 9/18/07	Norford /Leslie Keith	01/01/13	12/31/18	4,940	778,555	12,815
		6916144	C	P159400	AGREEMENT DATED 9/18	Wang /Chien	01/01/13	04/30/18	0	645,101	(0)
		6916145	C	P153000	AGREEMENT DATED 9/18	Boyle /Edward A	01/01/13	04/30/18	(230)	630,414	27
		6916146	C	P063007	AGREEMENT DATED 9/18	Shanahan /Peter	01/01/13	04/30/18	0	190,800	(0)
		6916147	C	P063007	AGREEMENT DATED 9/18	Thompson /Janelle Renee	01/01/13	04/30/18	0	273,110	(0)
		6916148	C	P035000	AGREEMENT DATED 9/18	Britter /Rex E	01/01/13	04/30/18	0	172,992	0
		6916149	C	P065004	AGREEMENT DATED 9/18	Hover /Franz S	01/01/13	04/30/18	0	91,685	(0)
		6916150	C	P061097	AGREEMENT DATED 9/18	Karaman /Sertac	05/01/13	03/01/16	0	0	(205,315)
		6916152	C	P065004	AGREEMENT DATED 9/18/07	Asada /Haruhiko	01/01/14	12/31/18	45,981	675,270	6,118
		6916153	C	P065004	AGREEMENT DATED 9/18/07	Barbastathis /George	01/01/14	12/31/18	74,367	580,183	(11,830)
		6916154	C	P062000	AGREEMENT DATED 9/18/07	Doyle /Patrick S	01/01/14	12/31/18	62,965	631,037	14,117
		6916155	C	P267110	AGREEMENT DATED 9/18/07	Han /Jongyoon	01/01/14	12/31/18	70,530	695,146	15,300
		6916156	C	P065004	AGREEMENT DATED 9/18/07	Kamm /Roger Dale	01/01/14	12/31/18	76,844	725,606	14,719
		6916157	C	P065005	AGREEMENT DATED 9/18/07	So /Peter T. C.	01/01/14	12/31/18	69,727	597,580	27,640
		6916158	C	P066000	AGREEMENT DATED 9/18/07	Van Vliet /Krystyn J	01/01/14	12/31/18	152,831	1,048,232	(3,347)
		6916159	C	P065005	AGREEMENT DATED 9/18/07	Lang /Matthew J	01/01/14	12/31/18	0	205,226	37,340
		6916161	C	P067952	AGREEMENT DATED 9/18/07	Tidor /Bruce	01/01/14	12/31/18	51,459	370,989	12,969
		6916162	C	P066000	AGREEMENT DATED 9/18/07	Van Vliet /Krystyn J	01/01/14	12/31/18	124,962	313,222	12,070
		6916168	C	P066000	AGREEMENT DATED 9/18/07	Van Vliet /Krystyn J	01/01/14	12/31/18	0	49	0
		6916170	C	P063007	AGREEMENT DATED 9/18	Gonzalez /Marta C.	04/01/14	03/01/16	0	0	(48,107)
		6916171	C	P061090	AGREEMENT DATED 9/18	Modiano /Eytan H	04/01/14	03/01/16	0	0	(64,993)
		6916172	C	P061094	AGREEMENT DATED 9/18/07	Barrett /Steven R. H.	04/01/14	12/31/18	0	225,464	0
		6916173	C	P062000	AGREEMENT DATED 9/18	Hammond /Paula T	01/01/14	04/30/18	0	323,687	0
		6916176	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/01/14	10/31/15	0	1	1
		6916177	C	P401862	AGREEMENT DATED 9/18	Hart /Anastasios John	11/01/14	06/30/17	0	150,000	(19,401)
		6916178	C	P401862	AGREEMENT DATED 9/18	Shoulders /Matthew D.	11/01/14	10/31/15	0	149,999	0
		6916179	C	P401862	AGREEMENT DATED 9/18	Lienhard /John H	11/01/14	12/31/16	0	150,000	9,807
		6916180	C	P401862	AGREEMENT DATED 9/18	Yue /Dick K. P.	11/01/14	12/31/16	0	150,000	0
		6916181	C	P401862	AGREEMENT DATED 9/18	Trancik /Jessika	11/01/14	10/31/15	0	150,000	98

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		6916182	C	P401862	AGREEMENT DATED 9/18	Lu /Timothy K	11/01/14	06/30/16	0	150,000	(316)
		6916183	C	P401862	AGREEMENT DATED 9/18	O'Reilly /Una-May	11/01/14	10/31/15	0	150,000	81,801
		6916184	C	P401862	AGREEMENT DATED 9/18	Amarasinghe /Saman P	11/01/14	10/31/15	0	0	(81,801)
		6916185	C	P401862	AGREEMENT DATED 9/18	Lozano-Perez /Tomas	11/01/14	06/30/16	0	128,744	37,077
		6916186	C	P401862	AGREEMENT DATED 9/18	Kaelbling /Leslie P	11/01/14	03/31/16	0	21,256	(37,077)
		6916187	C	P267110	AGREEMENT DATED 9/18	Han /Jongyoon	10/01/14	06/30/15	0	14,977	0
		6916188	C	P401862	AGREEMENT DATED 9/18	Kolpak /Alexie M	11/01/14	10/31/15	0	150,000	99
		6916189	C	P401862	AGREEMENT DATED 9/18	Edelman /Alan	11/01/14	10/31/15	0	150,000	141,957
		6916190	C	P401862	AGREEMENT DATED 9/18	Amarasinghe /Saman P	11/01/14	10/31/15	0	0	(148,016)
		6916191	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/07/06	12/31/20	0	400,000	400,000
		6916192	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/07/06	12/31/20	0	150,000	150,000
		6916193	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	07/07/06	12/31/20	0	50,000	50,000
		6916194	C	P065005	AGREEMENT DATED 9/18	Yue /Dick K. P.	04/01/15	04/30/18	(2,507)	183,166	30
		6916195	C	P069201	AGREEMENT DATED 9/18	Lu /Timothy K	04/01/15	04/30/18	(294)	278,503	139
		6916196	C	P401862	AGREEMENT DATED 9/18	Zegras /Pericles C	01/01/16	12/31/20	0	0	0
		6916197	C	P068700	AGREEMENT DATED 9/18	Frazzoli /Emilio	01/01/16	12/31/20	0	89,825	0
		6916198	C	P063007	AGREEMENT DATED 9/18	Ben-Akiva /Moshe E	01/01/16	12/31/20	110,289	473,190	(37,070)
		6916199	C	P035000	AGREEMENT DATED 9/18	Ferreira /Joseph	01/01/16	12/31/20	89,341	410,124	13,387
		6916200	C	P068700	AGREEMENT DATED 9/18	Jaillet /Patrick	01/01/16	12/31/20	183,762	544,308	1,868
		6916201	C	P067952	AGREEMENT DATED 9/18	Peh /Li-Shiuan	01/01/16	12/31/20	0	138,763	(0)
		6916202	C	P035000	AGREEMENT DATED 9/18	Ratti /Carlo	01/01/16	12/31/20	128,166	237,785	(27,519)
		6916203	C	P067952	AGREEMENT DATED 9/18	Rus /Daniela L	01/01/16	12/31/20	68,405	201,432	71,400
		6916204	C	P035000	AGREEMENT DATED 9/18	Zegras /Pericles C	01/01/16	12/31/20	97,408	424,821	(14,018)
		6916205	C	P035000	AGREEMENT DATED 9/18	Zhao /Jinhua	01/01/16	12/31/20	107,674	305,861	517
		6916206	C	P401862	AGREEMENT DATED 9/18	Frazzoli /Emilio	01/01/16	12/31/20	11,080	306,778	0
		6916207	C	P401862	AGREEMENT DATED 9/18	Zegras /Pericles C	01/01/16	12/31/20	0	26	0
		6916208	C	P402410	AGREEMENT DATED 9/18/07	Lienhard /John H	04/01/15	12/31/18	4,963	203,959	12,766
		6916209	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/17	12/31/21	0	0	0
		6916210	C	P069850	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/17	12/31/21	14,562	116,542	55,152
		6916212	C	P069850	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/17	12/31/21	269,006	710,780	(16,736)
		6916213	C	P069850	AGREEMENT DATED 9/18	Antoniadis /Dimitri A	01/01/17	12/31/21	76,925	175,551	(27,839)
		6916214	C	P069850	AGREEMENT DATED 9/18	Buonassisi /Anthony	01/01/17	12/31/21	211,377	340,008	(95,993)
		6916215	C	P069850	AGREEMENT DATED 9/18	Michel /Jurgen	01/01/17	12/31/21	111,515	349,989	41,555
		6916216	C	P069850	AGREEMENT DATED 9/18	Thompson /Carl Vernet	01/01/17	12/31/21	113,343	370,006	11,754
		6916217	C	P069850	AGREEMENT DATED 9/18	Wang /Evelyn	01/01/17	12/31/21	89,933	350,052	15,326
		6916218	C	P069850	AGREEMENT DATED 9/18	Gradecak /Silvija	01/01/17	12/31/21	213,730	349,911	(103,028)
		6916219	C	P069850	AGREEMENT DATED 9/18	Han /Ruonan	01/01/17	12/31/21	58,710	172,743	(21,331)
		6916221	C	P401862	MOD8	Fitzgerald /Eugene A	01/01/18	12/31/22	0	0	0
		6916234	C	P062000		Strano /Michael S.	01/01/18	12/31/22	547,869	617,806	(158,828)
		6916235	C	P069400		Sinskey /Anthony J	01/01/18	12/31/22	280,035	201,024	(83,962)
		6916236	C	P062000		Stephanopoulos /Gregory	01/01/18	12/31/22	96,324	264,834	163,088
		6916237	C	P267200		Ram /Rajeev J	01/01/18	12/31/22	172,293	432,505	(74,335)
		6916239	C	P069400		Strano /Michael S.	01/01/18	12/31/22	101,689	107,845	(18,701)
		6919228	C	P065005	AGREEMENT DATED 9/18	So /Peter T. C.	10/01/08	12/31/13	0	80,000	30,790
		6919394	C	P065006	AGREEMENT DATED 9/18	Barbastathis /George	04/01/09	03/31/12	0	15,931	0
		6920246	C	P401862	AGREEMENT DATED 9/18	Norford /Leslie Keith	01/01/12	12/31/12	0	66	0
		6920248	C	P401862	AGREEMENT DATED 9/18	Frazzoli /Emilio	01/01/12	03/01/16	0	0	(167)
		6920249	C	P401862	AGREEMENT DATED 9/18	Fitzgerald /Eugene A	01/01/12	03/31/14	0	391	0

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		6923596	C	P063007	AGREEMENT DATED 9/18	Hemond /Harold F	01/01/10	12/31/12	0	10,168	0
		6927134	C	P401511	AGREEMENT DATED 9/18	Wang /Evelyn	12/01/12	03/31/14	0	16,280	0
		6933088	C	P065005	AGREEMENT DATED 9/18	Yue /Dick K. P.	11/09/15	12/31/17	0	30,539	(30)
		6934449	C	P401862		Hastings /Daniel E	02/01/16	01/31/18	0	52	52
		6934575	C	P069850	AGREEMENT DATED 9/18	Wang /Evelyn	09/01/14	03/31/17	0	0	(16,532)
		6938229	C	P035000	AGREEMENT DATED 9/18	Zegras /Pericles C	04/01/18	12/31/20	148,491	229,082	80,591
		6939847	C	P267200		Ram /Rajeev J	01/01/18	01/08/19	94,951	96,000	1,049
		6939848	C	P267200		Ram /Rajeev J	01/01/18	01/01/19	9,391	10,400	1,009
Total by Primary Sponsor									4,086,923	75,420,695	(8,051,272)
001140 Malaysian Palm Oil Board	001140 Malaysian Palm Oil Board	6922980	C	P151053	AGRMT DTD 10/1/10	Rha /Chokyun	10/01/10	12/31/16	(422)	3,493,421	(0)
		6930207	G	P151053	AGRMT DTD 11/25/2014	Rha /Chokyun	05/01/14	07/31/19	10,216	1,253,272	(134,846)
		6930208	G	P151053	AGRMT DTD 10/1/10	Rha /Chokyun	05/01/14	07/31/19	164,187	1,712,985	(153,067)
	Total by Primary Sponsor									173,980	6,459,678
001149 Rwanda Ministry of Education	001149 Rwanda Ministr	6927234	C	P159400	AGREEMENT DATED 7/1/12	Prinn /Ronald G	07/01/12	06/30/19	88,902	806,186	41,703
		Total by Primary Sponsor									88,902
001160 Ministry of Education	010052 Singapore-MIT Alliance for Research and Technology Centre	6916174	C	P165000	MOU DATED 1/21/09	Engelward /Bevin P	08/18/14	02/16/15	0	9,904	0
		6916175	C	P165000	MOU DATED 1/21/09	Engelward /Bevin P	08/18/14	12/29/14	0	9,904	0
		6920240	C	P401862	MOU DATED 1/21/09	Hastings /Daniel E	01/21/09	01/31/18	0	5,032	5,032
		6920241	C	P401862	MOU DATED 1/21/09	Hastings /Daniel E	01/21/09	01/31/18	0	0	(2,222)
		6920242	C	P401862	MOU DATED 1/21/09	Hastings /Daniel E	01/21/09	01/31/18	0	160	(464)
		6920243	C	P401862	MOU DATED 1/21/09	Hastings /Daniel E	01/21/09	01/31/18	0	77	77
		6929341	C	P165000	MOU DATED 1/21/09	Dedon /Peter C	04/01/14	11/07/14	0	9,808	0
		6931304	C	P402000	MOU DATED 1/21/09	Chen /Jianzhu	09/29/14	03/29/15	0	9,294	0
		Total by Primary Sponsor									0
001176 Massachusetts Clean Energy Center	001176 Massachusetts	6936924	G	P062000	AGREEMENT DATED 8-17	Halton /Trevor Alan	07/01/17	11/17/17	0	24,498	0
		Total by Primary Sponsor									0
001180 Massachusetts Life Sciences Center	001180 Massachusetts Life Sciences Center	6929282	G	P400600	AGRMT DTD 12/2013	Graybiel /Ann M	12/15/13	12/14/14	0	200,128	0
		6931689	G	P400600	MLSC	Feng /Guoping	03/31/15	06/30/16	0	1,838,000	1,376
	Total by Primary Sponsor									0	2,038,128
001181 Centre de Recherche Public Henri Tudor	001181 Centre de Rech	6923465	C	P063007	RES. AGMT. SIGNED 7/19/10	Buehler /Markus J	08/01/11	08/31/17	5	260,118	(0)
		Total by Primary Sponsor									5
001191 European Commission Directorate General for Research and Innovation	001191 European Comr	6936186	C	P066000	SC5-16-2016-2017	Olivetti /Elsa A	12/01/16	11/30/18	0	0	0
		Total by Primary Sponsor									0
001220 Transport for London	001220 Transport for London	6922928	C	P069500	PO #310-100-2379	Zhao /Jinhua	07/01/10	06/30/20	585,114	8,210,769	362,188
		6923700	C	P063007	AGMT. DTD. 5/1/05	Wilson /Nigel H M	06/01/11	06/30/12	0	58,952	0
		6925850	C	P063007	AGMT. DTD. 7/1/10	Wilson /Nigel H M	04/01/13	09/30/13	0	25,245	0

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	<b>Total by Primary Sponsor</b>								<b>585,114</b>	<b>8,294,966</b>	<b>362,188</b>
001237 Ningbo Municipal Government	102345 Ningbo Institute	6936774	C	P267500	AGMT EFF. 9/1/17	Kirtley /James L	09/01/17	08/31/18	11,764	149,723	54,819
	<b>Total by Primary Sponsor</b>								<b>11,764</b>	<b>149,723</b>	<b>54,819</b>
001275 The World Bank	001275 The World Bank	6936005	C	P069500	CONTRACT ID# 7182069	Caplice /Christopher	03/01/17	12/31/18	4,819	190,277	(0)
	102685 Thompson Design	6935751	C	P031000	IWAI/WB/NW-/10/4/2015	Dutta /Arindam	12/20/16	06/30/19	17,254	77,400	60,146
	103504 TATA Power-Delhi Distributor	6939545	C	P320000	AGMT DTD 4/1/18	Stoner /Robert	04/01/18	12/31/18	77,545	75,000	(2,545)
	<b>Total by Primary Sponsor</b>								<b>99,618</b>	<b>342,677</b>	<b>57,601</b>
001290 Department of Foreign Affairs and Trade	001290 Department of Foreign Affairs and Trade	6926847	G	P091020	63385	Olken /Benjamin	11/08/12	12/31/17	0	2,207,542	(22,984)
		6926925	G	P091020	63385	Olken /Benjamin	11/08/12	12/31/17	25,867	324,000	(39)
		6926926	G	P091020	63385	Olken /Benjamin	11/08/12	12/31/17	0	3,300,000	(14,000)
		6936436	C	P091020	GA 73494	Olken /Benjamin	06/01/17	12/31/21	1,644,813	1,000,000	(972,115)
		6936437	C	P091020	GA 73494	Olken /Benjamin	06/01/17	12/31/21	0	3,000,000	3,000,000
	<b>Total by Primary Sponsor</b>								<b>1,670,680</b>	<b>9,831,542</b>	<b>1,990,863</b>
002043 Aerospace Corporation	002043 Aerospace Corporation	6939514	C	P061094	PO 4600006517	Spakovszky /Zoltan S	09/01/18	08/31/19	82,888	97,069	14,181
		6939813	C	P061097	PO# 4600006516	Cahoy /Kerri	09/01/18	08/31/19	100,139	125,839	25,700
	<b>Total by Primary Sponsor</b>								<b>183,027</b>	<b>222,908</b>	<b>39,881</b>
002067 Amgen	002067 Amgen	6935602	C	P069201	PO 7300130614	Griffith /Linda G	01/01/17	12/06/19	116,990	379,360	130,396
		6935603	C	P069201	PO# 7200972245	Kamm /Roger Dale	01/01/17	12/29/19	160,928	462,854	50,040
		6937898	C	P062000	2017771309-002	Braatz /Richard D	12/20/17	12/31/19	51,974	191,003	68,418
		6937899	C	P062000	2017771309-001	Strano /Michael S.	12/18/17	06/18/19	200,372	269,810	306
		6938986	C	P067952	CONTRACT NO. 5562031	Barzilay /Regina	06/15/18	12/31/18	56,647	57,066	419
		6939945	C	P069201	AMGEN CONTRACT NO. 8	Griffith /Linda G	09/01/18	08/31/19	67,008	173,653	106,645
		6940170	C	P062000	2017771309-001	Strano /Michael S.	01/01/19	03/31/19	6,251	6,251	0
		6940552	C	P062000	2017771309-001	Strano /Michael S.	03/01/19	06/18/19	12,439	12,439	0
		6940813	C	P067952	CONTRACT NO. 5562031	Barzilay /Regina	06/15/19	06/14/20	0	60,000	60,000
	<b>Total by Primary Sponsor</b>								<b>672,608</b>	<b>1,612,435</b>	<b>416,223</b>
002109 American Telephone & Telegraph, Company	002109 American Telephone & Telegraph, Company	9843500	G	P152000	LETTER DATED 9/2/86	Ceyer /Sylvia Terasse	10/01/86	12/31/99	0	25,639	10,661
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>25,639</b>	<b>10,661</b>
002132 Analog Devices, Incorporated	002132 Analog Devices, Incorporated	6923889	C	P060600	AGRMT DATED 5/3/11	Sodini /Charles G	05/06/11	12/01/20	16,984	523,460	373,248
		6923898	C	P060600	AGRMT DATED 5/3/11	Sodini /Charles G	05/06/11	12/01/20	123,853	1,428,234	65,606
		6923899	C	P267111	AGRMT DATED 5/3/11	Voldman /Joel	05/06/11	07/31/12	0	45,776	0
		6925817	C	P267600	AGRMT DATED 5/3/11	Stultz /Collin M	05/06/11	07/31/13	0	25,017	0
		6929836	C	P065004	AGRMT DATED 5/3/11	Kim /Sang-Gook	05/06/11	11/05/17	0	235,513	(0)
		6932997	C	P061093	AGMNT DTD 11/1/15	Wardle /Brian L	11/01/15	10/31/20	205,810	675,120	29,311
		6933389	C	P060600	PO # 45674134 / AGMT DTD	del Alamo /Jesus A	12/31/15	08/31/20	0	685,969	685,969
		6933446	C	P152000	AGMT DTD 12/31/2015	Dinca /Mircea	12/31/15	12/31/19	130,329	701,822	(0)
		6933447	C	P267500	AGMT DTD 12/31/2015	Lang /Jeffrey H	12/31/15	12/31/19	22,150	450,000	(2,669)

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		6933448	C	P067952	AGMT DTD 12/31/2015	Jaakkola /Tommi S	12/31/15	12/31/16	0	50,513	0
		6933449	C	P067952	AGMT DTD 12/31/2015	Jegelka /Stefanie Sabrina	12/31/15	12/31/16	0	13,192	0
		6933450	C	P068700	AGMT DTD 12/31/2015	Sra /Suvrit	12/31/15	06/30/16	0	26,831	(0)
		6933451	C	P060600	AGMT DTD 12/31/2015	Sze /Vivienne	12/31/15	12/31/16	0	5,763	(9,461)
		6933452	C	P060600	AGMT DTD 12/31/2015	Chandrakasan /Anantha P	12/31/15	07/31/16	0	16,890	0
		6933453	C	P060600	AGMT DTD 12/31/2015	Devadas /Srinivas	12/31/15	12/31/19	96,965	240,000	(31,399)
		6933454	C	P060600	AGMT DTD 12/31/2015	Vaikuntanathan /Vinod	12/31/15	12/31/17	0	200,000	(2,455)
		6933558	C	P152000	AGMT DTD 12/31/2015	Dinca /Mircea	12/31/15	03/31/16	0	25,178	0
		6934804	C	P267110	AGRMT DATED 5/3/11	Voldman /Joel	09/01/16	12/01/20	0	148,000	0
		6935238	C	P060600	AGMT DTD 12/31/2015	Sze /Vivienne	10/01/16	01/31/20	107,066	339,980	88,413
		6935301	C	P061093	AGMNT DTD 11/1/15	Wardle /Brian L	01/01/17	12/31/17	(1)	94,959	0
		6935302	C	P061093	AGMNT DTD 11/1/15	Wardle /Brian L	01/15/17	01/15/19	6,449	191,162	(1)
		6935307	C	P060600	AGMT DTD 12/1/2016	Shulaker /Max M.	12/01/16	03/31/20	62,239	726,485	258,749
		6935560	C	P061093	AGMT. DTD. 1/1/17	Wardle /Brian L	01/01/17	12/31/18	45,457	100,000	(0)
		6935641	C	P060600	AGMT DTD 12/31/2015	Shulaker /Max M.	02/01/17	08/31/20	12,066	507,000	379,917
		6936084	C	P060600	AGMT DTD 12/1/2016	Shulaker /Max M.	02/01/17	03/31/20	3,365	43,515	35,408
		6936386	C	P061093	AGMT DATED 1/1/17	Wardle /Brian L	01/01/17	12/31/18	8,223	50,275	25
		6937273	C	P060600	AGMT DTD 12/31/2015	Lee /Hae-Seung	09/01/17	08/31/20	114,995	308,091	116,360
		6937726	C	P060600	AGRMT DATED 5/3/11	Shulaker /Max M.	11/01/17	12/01/20	(2,563)	196,000	116,442
		6938335	C	P062000	SRA DTD 05/01/2018	Gleason /Karen K	05/01/18	04/30/20	137,245	270,000	115,393
		6938342	C	P060600	AGMT DTD 12/31/2015 - AI	Antoniadis /Dimitri A	04/01/18	03/31/19	13,893	29,772	0
		6938618	C	P060600	PER AMENDMENT 7	Chandrakasan /Anantha P	02/01/18	06/30/20	116,214	240,000	123,786
		6938619	C	P060600	PER AMENDMENT 7	Devadas /Srinivas	05/01/18	06/30/20	24,369	240,000	215,631
		6938906	C	P267500	AGRMT DATED 5/3/11	Stultz /Collin M	07/01/18	06/30/20	48,715	98,000	49,285
		6940030	C	P060600	PO # 45674134 / AGMT DT	Shulaker /Max M.	02/01/19	01/31/20	2,568	240,000	237,432
		6940194	C	P060600	PER AMENDMENT 7	Lee /Hae-Seung	02/01/18	06/30/20	40,754	240,000	199,246
		6940949	C	P067952	PO # 45674134 / AGMT DT	Vaikuntanathan /Vinod	08/31/18	07/31/20	0	240,000	240,000
		<b>Total by Primary Sponsor</b>							<b>1,337,145</b>	<b>9,652,516</b>	<b>3,284,237</b>
002145 Apple, Incorporated	002145 Apple, Incorporated	6937535	C	P065005	PO 6000322254	Slocum /Alexander H	09/01/17	07/31/19	135,963	215,897	6,340
		6940280	C	P417500	PO 6000374856	Allanore /Antoine	11/01/18	10/31/20	31,605	273,394	241,789
		6940837	C	P440107	PO TBD	Frey /Daniel	03/01/19	07/31/19	10,404	17,527	7,122
	<b>Total by Primary Sponsor</b>								<b>177,972</b>	<b>506,818</b>	<b>255,251</b>
002171 ABB Corporate Research Limited	002171 ABB Corporate Research Limited	6918190	C	P320000	ABB MITEI SUSTAINING M	Armstrong /Robert C	01/01/08	08/31/15	0	1,231	1,231
		6918191	C	P320000	ABB MITEI SUSTAINING M	Hu /Lin-Wen	08/01/08	01/31/11	0	321,103	0
		6918192	C	P320000	ABB MITEI SUSTAINING M	Hu /Lin-Wen	08/01/08	07/31/09	0	19,504	0
		6918193	C	P320000	ABB MITEI SUSTAINING M	Ernst /Michael D	07/01/08	06/30/09	0	102,466	(0)
		6918194	C	P320000	ABB MITEI SUSTAINING M	Ernst /Michael D	07/01/08	06/30/09	0	74,423	0
		6918195	C	P320000	ABB MITEI SUSTAINING M	Spakovszky /Zoltan S	09/01/09	08/31/15	0	1,517,802	(0)
		6920595	C	P320000	ABB MITEI SUSTAINING M	Cummings /Mary L	06/01/10	10/31/12	0	227,188	0
		6922652	C	P320000	ABB MITEI SUSTAINING M	Zahn /Markus	07/01/10	06/30/14	0	346,800	(0)
		6924110	C	P320000	ABB MITEI SUSTAINING M	Spakovszky /Zoltan S	04/01/11	08/31/14	0	95,482	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>2,706,000</b>	<b>1,231</b>
002199 BASF	002199 BASF	6935124	C	P152000	AGMT. DTD. 9/1/2016	Swager /Timothy M	10/01/16	06/30/19	139,109	340,000	(1,922)

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		6935308	C	P065004	AGMT DTD 12/6/16	Fang /Xuanlai	01/01/17	11/30/19	182,140	340,000	10,273
		6940870	C	P065004	AGMT DTD. 9/1/18	Fang /Xuanlai	05/01/19	10/31/20	0	200,000	200,000
	<b>Total by Primary Sponsor</b>								<b>321,249</b>	<b>880,000</b>	<b>208,351</b>
002204 Bayer, A.C	002204 Bayer, A.G.	6937276	C	P067952	PURCHASE ORDER NO. 2	Barzilay /Regina	12/15/17	05/31/18	2,651	100,000	455
	<b>Total by Primary Sponsor</b>								<b>2,651</b>	<b>100,000</b>	<b>455</b>
002231 ARAMCO Services Company	002231 ARAMCO Services Company	6926345	C	P320000	ARAMCO SERVICES CO CONTRACT 6500009957,	Armstrong /Robert C	09/01/12	12/31/18	0	2,597,451	2,597,451
		6927042	C	P320000	ARAMCO SERVICES CO C	Hatton /Trevor Alan	09/01/12	08/31/15	0	1,024,582	(0)
		6927994	C	P320000	ARAMCO SERVICES CO C	Swager /Timothy M	06/15/13	10/31/14	0	332,649	(0)
		6927995	C	P320000	ARAMCO SERVICES CO C	Doyle /Patrick S	06/15/13	10/31/14	0	164,342	(0)
		6927996	C	P320000	ARAMCO SERVICES CO C	Hatton /Trevor Alan	06/15/13	10/31/14	0	275,750	0
		6927997	C	P320000	ARAMCO SERVICES CO C	Darmofal /David L	06/15/13	06/30/17	0	800,000	(0)
		6928405	C	P320000	ARAMCO SERVICES CO C	Surendranath /Yogesh	08/05/13	08/21/15	0	1,195,276	0
		6929072	C	P320000	ARAMCO SERVICES CO C	Stephanopoulos /Gregory	06/01/13	01/31/15	0	92,550	0
		6929073	C	P320000	ARAMCO SERVICES CO C	Williams /John R	01/01/14	12/31/15	0	200,000	(0)
		6929215	C	P320000	ARAMCO SERVICES CO C	Edelman /Alan	07/13/13	06/30/17	0	644,873	0
		6929568	C	P039010	AGREEMENT DATED 11/1.	Bove /V Michael	11/01/13	12/31/16	0	479,243	0
		6929569	C	P039010	AGREEMENT DATED 11/1.	Raskar /Ramesh	11/01/13	12/31/16	0	475,165	0
		6929570	C	P039010	AGREEMENT DATED 11/1.	Paradiso /Joseph A	11/01/13	12/31/16	0	478,566	0
		6929571	C	P039010	AGREEMENT DATED 11/1.	Ishii /Hiroshi	11/01/13	12/31/16	0	392,580	0
		6929572	C	P039010	AGREEMENT DATED 11/1.	Maes /Patricia	11/01/13	12/31/16	0	480,056	(0)
		6929573	C	P039010	AGREEMENT DATED 11/1.	Ito /Joichi	11/01/13	12/31/16	0	576,664	(0)
		6929631	C	P320000	ARAMCO SERVICES CO C	Juanes /Ruben	04/01/14	03/31/17	0	1,100,000	(0)
		6930388	C	P320000	ARAMCO SERVICES CO C	Dinca /Mircea	08/01/14	07/31/19	249,196	2,486,392	31,029
		6930626	C	P320000	ARAMCO SERVICES CO C	Green /William H	09/01/14	08/31/18	2,364	993,969	266
		6930627	C	P320000	ARAMCO SERVICES CO C	Ghoniem /Ahmed F	09/01/14	08/31/18	42,262	790,000	(0)
		6930839	C	P320000	ARAMCO SERVICES CO C	Roman /Yuriy	10/01/14	09/30/19	293,600	1,694,505	36,702
		6930974	C	P320000	UTILITY OF THE FUTURE	Perez-Arriaga /Jose Ignacio	01/01/14	02/28/17	0	241,685	(0)
		6931038	C	P320000	ARAMCO SERVICES CO C	Han /Jongyoon	09/01/14	12/31/15	0	100,000	0
		6931039	C	P320000	ARAMCO SERVICES CO C	Buie /Cullen	09/01/14	12/31/15	0	100,000	0
		6931140	C	P320000	ARAMCO SERVICES CO C	Green /William H	09/01/14	08/31/18	80,108	616,031	1,615
		6931942	C	P320000	ARAMCO SERVICES CO C	Bazant /Martin Z	06/01/15	05/31/18	0	599,890	(0)
		6932299	C	P039010	AGREEMENT DATED 11/1.	Ishii /Hiroshi	11/01/13	10/31/16	0	82,914	0
		6932745	C	P320000	ARAMCO SERVICES CO C	Roman /Yuriy	09/09/15	01/31/17	0	37,416	0
		6934961	C	P320000	ARAMCO SERVICES CO C	Dinca /Mircea	09/22/16	03/31/17	0	12,067	0
		6935533	C	P320000	ARAMCO SERVICES CO C	Wang /Qiqi	01/01/17	12/31/19	151,785	437,258	123,309
		6935569	C	P320000	ARAMCO SERVICES CO CONTRACT 6500009957,	Swager /Timothy M	01/01/17	12/31/18	100,713	400,000	(0)
		6935599	C	P320000	ARAMCO SERVICES CO C	Jensen /Klavs F	04/01/17	03/31/19	81,981	400,000	144,741
		6935720	C	P320103	ARAMCO SERVICES CO C	Smith /Zachary P	02/01/17	07/31/18	12,340	200,000	(0)
		6935878	C	P320000	ARAMCO SERVICES CO C	Darmofal /David L	06/01/17	05/31/21	217,180	590,143	166,062
		6936216	C	P320000	ARAMCO SERVICES CO C	Buonassisi /Anthony	04/01/17	07/31/18	17,441	149,648	0
		6936224	C	P320102	ARAMCO SERVICES CO C	Varanasi /Kripa	04/01/17	09/30/18	36,703	150,000	27,884
		6936230	C	P320103	ARAMCO SERVICES CO C	Hatton /Trevor Alan	04/15/17	07/31/18	11,280	186,646	0
		6936302	C	P320102	ARAMCO SERVICES CO C	Willard /Adam P.	04/15/17	04/14/18	0	125,304	37,491
		6936394	C	P320103	ARAMCO SERVICES CO C	Roman /Yuriy	04/01/17	06/04/18	(3,209)	150,000	14,069
		6936410	C	P320102	ARAMCO SERVICES CO C	Grossman /Jeffrey C.	04/15/17	07/31/18	35,826	185,979	0

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		6936411	C	P320000	ARAMCO SERVICES CO C	Edelman /Alan	07/01/17	06/30/21	109,054	326,712	110,543
		6936574	G	P153000	ASC CONTRACT NO. A-02	Jagoutz /Oliver E	05/01/17	04/30/20	542,901	960,476	229,697
		6936987	C	P062000	CONTRACT# A-0434-2017	Bazant /Martin Z	09/01/17	09/19/19	204,721	300,000	(38,948)
		6937153	C	P320103	ARAMCO SERVICES CO C	Halton /Trevor Alan	09/04/17	04/15/18	(295)	13,354	0
		6937473	C	P063007	A-0466-2017	Buyukozturk /Oral	10/01/17	12/31/19	210,166	400,000	72,164
		6939372	C	P320000	ARAMCO SERVICES CO C	Barrett /Steven R. H.	09/01/18	01/31/21	129,570	328,864	199,294
		6940087	C	P320000	ARAMCO SERVICES CO C	Smith /Zachary P	12/01/18	11/30/21	158,519	250,000	91,481
		<b>Total by Primary Sponsor</b>							<b>2,684,205</b>	<b>24,618,999</b>	<b>3,844,851</b>
002260 Aurora Flight Sciences Corporation	002260 Aurora Flight Sciences Corporation	6940519	C	P067952	AGMT. DTD. 04/01/2019	Madry /Aleksander	04/01/19	12/31/19	37,723	81,742	44,019
		<b>Total by Primary Sponsor</b>							<b>37,723</b>	<b>81,742</b>	<b>44,019</b>
002282 Biogen Research Corporation	002282 Biogen Research Corporation	6938977	C	P069201	PO #940101/995583	Kamm /Roger Dale	06/01/18	02/28/21	155,026	455,211	300,185
		<b>Total by Primary Sponsor</b>							<b>155,026</b>	<b>455,211</b>	<b>300,185</b>
002300 Boeing	002300 Boeing	6895895	C	P391000	9M-PS02-TMS07-0003: BO	Nicholas /Danforth A.	02/01/04	12/31/19	0	7	7
		6931806	C	P061093	MIT-BA-GTA-1 RPP 69318	Willcox /Karen E	06/01/15	12/31/19	101,818	599,305	42,754
		6932545	C	P067952	MIT-BA-GTA-1- RPP 69325	Rus /Daniela L	01/01/16	12/31/19	311,294	1,000,000	166,066
		6933101	C	P067952	MIT-BA-GTA-1 RPP 69331	Williams /Brian C	01/01/16	12/31/19	227,256	750,000	(34,182)
		6934820	C	P061093	MIT-BA-GTA-1 RPP 69348	Darmofal /David L	01/01/17	12/31/19	184,060	420,000	7,157
		6935334	C	P065004	MIT-BA-GTA-1 RPP 69353	Annaswamy /Anuradha M	01/01/17	12/31/19	211,289	825,000	236,069
		6935642	C	P061090	MRA# 2017-656	Hastings /Daniel E	01/06/17	01/05/22	(75,000)	0	0
		6935786	C	P061090	MRA# 2017-656	How /Jonathan P	06/01/17	05/31/20	174,611	775,000	516,289
		6937228	C	P061094	MRA# 2017-656	Guerra Garcia /Carmen	08/01/17	07/31/19	226,294	473,993	52,622
		6937519	C	P061090	MRA# 2017-656	How /Jonathan P	09/01/17	05/31/20	11,654	150,000	120,399
		6938814	C	P061090	MRA# 2017-656	Hastings /Daniel E	01/01/18	12/31/19	225,000	150,000	0
		6940034	C	P267100	#2018-BRT-PA-335	Vuletic /Vladan	12/17/18	12/31/19	103,473	200,000	96,527
		6940111	C	P067952	#Z0918-5060	Rinard /Martin C	12/01/18	11/30/20	6,015	428,445	422,430
		<b>Total by Primary Sponsor</b>							<b>1,707,764</b>	<b>5,771,750</b>	<b>1,626,140</b>
002312 Bose Corporation	002312 Bose Corporation	6938209	C	P039010	AGREEMENT EFF 12/1/20	Maes /Patricia	12/01/17	03/31/20	152,016	205,000	52,379
		<b>Total by Primary Sponsor</b>							<b>152,016</b>	<b>205,000</b>	<b>52,379</b>
002314 Robert Bosch GmbH	002314 Robert Bosch GmbH	6915467	C	P066000	RES. AGMT. DTD. 1/1/07	Ceder /Gerbrand	01/01/07	12/31/17	0	1,467,382	0
		<b>Total by Primary Sponsor</b>							<b>0</b>	<b>1,467,382</b>	<b>0</b>
002331 Boeing North America, Incorporated	002331 Boeing North America, Incorporated	6897078	C	P061090	MIT-BA-GTA-1	How /Jonathan P	06/01/04	08/31/18	30,349	656,276	0
		6936308	C	P065004	MRA# 2017-656	Asada /Haruhiko	10/01/17	10/31/18	4,154	88,111	(1,800)
		6937521	C	P065004	MRA# 2017-656	Asada /Haruhiko	10/10/17	10/30/18	1,578	11,889	0
		6940265	C	P067952	#Z1218-5078	Rus /Daniela L	01/01/19	12/31/21	0	750,000	750,000
		<b>Total by Primary Sponsor</b>							<b>36,081</b>	<b>1,506,276</b>	<b>748,200</b>
002352 British Petroleum Company, Limited	007016 BP Technology Ventures Inc.	6915090	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR	Armstrong /Robert C	09/01/06	12/31/18	8,690	1,758,098	270
		6915091	C	P320000	RES. AGMT. EFF. 9/1/06	Herzog /Howard J	09/01/06	08/31/14	0	3,627,998	(0)
		6915092	C	P320000	RES. AGMT. EFF. 9/1/06	Ghoniem /Ahmed F	09/01/06	08/31/13	0	2,261,848	(0)

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6915093	C	P320000	RES. AGMT. EFF. 9/1/06	Green /William H	09/01/06	12/31/13	0	1,415,908	0
		6915094	C	P320000	RES. AGMT. EFF. 9/1/06	Jacoby /Henry D	09/01/06	02/28/13	0	2,065,937	0
		6915095	C	P320000	RES. AGMT. EFF. 9/1/06	Parsons /John E	09/01/06	08/31/12	0	1,327,012	(0)
		6915830	C	P320000	RES. AGMT. EFF. 9/1/06	Strano /Michael S.	09/01/06	01/31/12	0	444,495	0
		6915945	C	P320000	RES. AGMT. EFF. 9/1/06	Ghoniem /Ahmed F	09/01/06	08/31/08	0	49,783	0
		6915946	C	P320000	RES. AGMT. EFF. 9/1/06	Green /William H	09/01/06	01/31/09	0	10,948	0
		6917033	C	P320000	RES. AGMT. EFF. 9/1/06	Peters /Jonas C	10/01/07	02/28/10	0	779,617	(0)
		6917034	C	P320000	RES. AGMT. EFF. 9/1/06	Cummins /Christopher C	10/01/07	05/31/11	0	555,148	(0)
		6917035	C	P320000	RES. AGMT. EFF. 9/1/06	Jensen /Klavs F	10/01/07	12/31/12	0	988,628	0
		6917036	C	P320000	RES. AGMT. EFF. 9/1/06	Green /William H	10/01/07	08/31/12	0	58,708	0
		6917037	C	P320000	RES. AGMT. EFF. 9/1/06	Barton /Paul I	10/01/07	08/31/13	0	1,231,022	(0)
		6917038	C	P320000	RES. AGMT. EFF. 9/1/06	Brisson /John G	10/01/07	08/31/12	0	449,688	0
		6917039	C	P320000	RES. AGMT. EFF. 9/1/06	Polenske /Karen R	10/01/07	06/30/09	0	99,778	0
		6917041	C	P320000	RES. AGMT. EFF. 9/1/06	Frenchman /Dennis M	10/01/07	06/30/09	0	47,176	(0)
		6917550	C	P320000	RES. AGMT. EFF. 9/1/06	Jensen /Klavs F	04/01/08	05/31/09	0	45,977	0
		6921078	C	P320000	RES. AGMT. EFF. 9/1/06	Jensen /Klavs F	12/01/09	07/31/12	0	70,224	0
		6922721	C	P320000	RES. AGMT. EFF. 9/1/06	Strano /Michael S.	09/02/10	05/31/11	0	18,902	0
		6924458	C	P320000	RES. AGMT. EFF. 9/1/06	Green /William H	09/01/11	12/31/13	0	284,576	0
		6924725	C	P320000	RES. AGMT. EFF. 9/1/06	Heywood /John B	09/01/11	11/30/13	0	286,858	0
		<b>Total by Primary Sponsor</b>							<b>8,690</b>	<b>17,878,329</b>	<b>270</b>
002354 British Telecommunications, plc	002354 British Telecommunications, plc	6916790	C	P122030	MEMBERSHIP AGREEMENT	Malone /Thomas W	07/01/07	06/30/11	0	598,206	(0)
		6917824	C	P122030	MEMBERSHIP AGREEMENT	Malone /Thomas W	05/01/08	01/31/10	0	99,902	0
		6937860	C	P067952	CONTRACT#8014151, PO#	Clark /David D	10/01/17	07/31/18	79,737	79,737	(0)
	<b>Total by Primary Sponsor</b>								<b>79,737</b>	<b>777,845</b>	<b>(0)</b>
002439 Chevron Energy Technology Company	002439 Chevron Energy Technology Company	6917475	C	P062000	CHEVRON-MIT UPP AGR.	Gleason /Karen K	01/01/08	12/31/09	0	121,972	0
		6917476	C	P065002	CHEVRON-MIT UPP AGR.	Hosoi /Anette E	01/01/08	06/30/09	0	23,000	(0)
		6917477	C	P066000	CHEVRON-MIT UPP AGR.	Sadoway /Donald Robert	01/01/08	06/30/09	0	74,959	0
		6917478	C	P065002	CHEVRON-MIT UPP AGR.	Barbastathis /George	01/16/08	06/30/09	0	22,800	(0)
		6917479	C	P266300	CHEVRON-MIT UPP AGR.	Chryssostomidis /Chryssostomo	01/01/08	12/31/08	0	24,606	(0)
		6917480	C	P065005	CW1251339 MITEI SO#15053682 CO 12/9/14	Triantafyllou /Michael S	10/01/07	12/31/18	15,381	412,071	7
		6917481	C	P062000	CHEVRON MITEI SUSTAIN	Barton /Paul I	01/01/08	12/31/11	0	360,000	(0)
		6917482	C	P065005	CW1251339 MITEI SO#15053682 CO 12/9/14	Liu /Yuming	01/01/08	12/31/14	0	919,996	0
		6917483	C	P062000	CHEVRON MITEI SUSTAIN	Armstrong /Robert C	01/01/08	12/31/15	0	411,794	0
		6917484	C	P266300	CHEVRON MITEI SUSTAIN	Chryssostomidis /Chryssostomo	01/01/08	06/30/13	0	370,737	(0)
		6917485	C	P266300	CHEVRON MITEI SUSTAIN	Chryssostomidis /Chryssostomo	01/01/08	12/31/12	0	318,809	0
		6917654	C	P266300	CHEVRON MITEI SUSTAIN	Chryssostomidis /Chryssostomo	01/01/08	06/30/09	0	41,805	0
		6917847	C	P066000	CHEVRON MITEI SUSTAIN	Sadoway /Donald Robert	03/01/08	06/30/09	0	74,756	(0)
		6918647	C	P065005	CHEVRON MITEI SUSTAIN	McKinley /Gareth H	01/01/08	12/31/14	0	488,220	(0)
		6919015	C	P320000	CHEVRON MITEI SUSTAIN	Hover /Franz S	03/01/09	12/31/14	0	342,252	(0)
		6919722	C	P069700	CHEVRON-MIT UPP AGR.	Varanasi /Kripa	06/15/09	12/31/10	0	150,000	(0)
		6921449	C	P266300	CHEVRON MITEI SUSTAIN	Chryssostomidis /Chryssostomo	01/01/10	09/30/12	0	98,824	0
		6921495	C	P320000	CHEVRON MITEI SUSTAIN	Hover /Franz S	03/01/10	05/31/11	0	41,533	0
		6921679	C	P266300	CHEVRON MITEI SUSTAIN	Chryssostomidis /Chryssostomo	04/01/10	06/30/13	0	29,818	0
		6921789	C	P065005	CHEVRON-MIT UPP AGR.	Techet /Alexandra H	01/01/10	06/30/13	0	139,822	0
		6921875	C	P065002	CHEVRON-MIT UPP AGR.	Kim /Sangbae	01/01/09	12/31/10	0	140,823	0

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		6923173	C	P320000	CW1251339 MITEI SO#150	Heywood /John B	12/08/10	12/31/15	0	500,000	(0)
		6924085	C	P266300	CHEVRON-MIT UPP AGR.	Triantafyllou /Michael S	09/01/07	06/01/14	0	53,932	(0)
		6924086	C	P266300	CHEVRON-MIT UPP AGR.	Adams /Edward E	09/01/07	12/31/12	0	135,000	0
		6924087	C	P069700	CHEVRON MITEI SUSTAIN	Varanasi /Kripa	01/01/08	12/31/12	0	270,000	(0)
		6924088	C	P065006	CHEVRON MITEI SUSTAIN	Barbastathis /George	01/01/08	06/30/14	0	368,563	(0)
		6924512	C	P065004	CHEVRON-MIT UPP AGR.	Schmidt /Henrik	09/01/07	12/31/16	0	142,896	(0)
		6924721	C	P069700	CW819969 UPP-PDEP, SC	Varanasi /Kripa	07/01/11	12/31/15	0	920,717	0
		6924736	C	P065005	CHEVRON-MIT UPP AGR.	Hover /Franz S	01/01/11	06/30/13	0	49,800	0
		6925440	C	P266300	CHEVRON MITEI SUSTAIN	Adams /Edward E	01/01/12	06/30/15	0	259,822	0
		6925830	C	P065005	CHEVRON-MIT UPP AGR.	Schmidt /Henrik	01/01/12	12/31/16	0	100,970	(0)
		6925831	C	P065005	CHEVRON-MIT UPP AGR.	Triantafyllou /Michael S	01/01/12	06/30/13	0	75,485	(0)
		6925832	C	P266300	CHEVRON-MIT UPP AGR.	Chryssostomidis /Chryssostomo	01/01/12	12/31/14	0	131,068	(0)
		6926727	C	P065004	CHEVRON-MIT UPP AGR.	Schmidt /Henrik	10/01/12	12/31/16	0	39,030	0
		6926789	C	P320000	CHEVRON MITEI SUSTAIN	Hover /Franz S	11/01/12	12/31/13	0	12,216	0
		6927256	C	P065005	CHEVRON MITEI SUSTAIN	Techet /Alexandra H	01/01/08	06/30/14	0	73,721	0
		6927257	C	P065004	CHEVRON MITEI SUSTAIN	Hart /Douglas	01/01/08	06/30/14	0	72,426	(0)
		6928120	C	P065004	CHEVRON-MIT UPP AGR.	Barbastathis /George	01/01/13	12/31/15	0	165,000	(0)
		6928390	C	P062000	CW1251339 MITEI SO#150	Gleason /Karen K	06/30/13	06/30/16	0	374,728	0
		6929076	C	P065005	CW793339 MITEI, SO#150	Liu /Yuming	01/01/14	06/30/16	0	130,000	(0)
		6929599	C	P065004	CHEVRON-MIT UPP AGR.	Schmidt /Henrik	04/01/14	12/31/16	0	7,302	0
		6929721	C	P062000	CW1251339 MITEI SO#150	Armstrong /Robert C	01/01/14	10/31/16	0	110,752	(0)
		6929722	C	P065004	CW1251339 MITEI SO#150	Hogan /Neville	01/01/14	06/30/16	0	189,983	0
		6929723	C	P266300	CW1251339 MITEI SO#150	Triantafyllou /Michael S	01/01/14	12/31/16	0	249,941	0
		6929724	C	P065004	CW819969 UPP-PDEP SO	Buie /Cullen	01/01/14	12/31/15	0	105,000	(0)
		6929725	C	P062000	CW819969 UPP-PDEP, SC	Trout /Bernhardt L	01/01/14	12/31/15	0	110,000	(0)
		6930481	C	P065005	CW1251339 MITEI SO#150	McKinley /Gareth H	01/01/14	10/31/16	0	129,234	0
		6931170	C	P065005	HOLD CHILD	Triantafyllou /Michael S	10/01/07	06/30/15	0	30,000	30,000
		6931208	C	P062000	CW1251339 MITEI SO#150	Trout /Bernhardt L	12/09/14	12/31/15	0	25,000	0
		6931209	C	P065005	CW1251339 MITEI SO#150	Liu /Yuming	12/09/14	12/31/15	0	70,000	(0)
		6931351	C	P065004	CW1251339 MITEI SO#150	Buie /Cullen	12/09/14	12/31/15	0	75,000	(0)
		6932285	C	P069700	CW819969 UPP-PDEP, SC	Varanasi /Kripa	04/01/15	11/30/15	0	6,188	0
		6933562	C	P320000	CW1251339 MITEI SO# 00	Liu /Yuming	01/01/16	12/31/16	0	59,998	(0)
		6933655	C	P320000	CW1251339 MITEI SO# 12	Lienhard /John H	03/01/16	03/31/17	0	99,791	(0)
		6933858	C	P320000	SO/PO #0015092310	Triantafyllou /Michael S	02/16/16	06/30/19	98,767	395,076	5,786
		6934037	C	P320000	CW1251339 MITEI SO# 00	Trout /Bernhardt L	04/15/16	12/31/19	112,586	330,000	162,642
		6934121	C	P320000	CW1251339 MITEI	McKinley /Gareth H	07/01/16	05/31/17	0	80,000	0
6935079	C	P320000	CW1251339 MITEI SO# 00	McKinley /Gareth H	10/12/16	05/31/17	0	65,190	0		
6936211	C	P320000	CW1251339 MITEI SO 001	Liu /Yuming	03/15/17	12/31/17	0	60,000	0		
6939511	C	P320000	PR23672270	McKinley /Gareth H	08/01/18	01/15/19	45,057	45,000	(57)		
6939915	C	P320000	PR23722302	Triantafyllou /Michael S	11/01/18	10/31/19	2,678	70,726	68,047		
Total by Primary Sponsor									274,469	10,798,149	266,426
002491 Colgate Palmolive Compar	002491 Colgate Palmolive Company	6931043	C	P039010	MEDIA LAB CONSORTIA	Raskar /Ramesh	07/01/13	09/30/18	18,511	1,125,000	(0)
		6933553	G	P267110	AGREEMENT DTD. 09/01/12	Han /Jongyoon	09/01/16	06/30/19	110,839	295,429	91,365
		6934671	G	P267110	AGREEMENT DTD. 09/01/12	Han /Jongyoon	09/01/16	06/30/19	0	131,450	93,733
		6934672	G	P267110	AGREEMENT DTD. 09/01/12	Han /Jongyoon	09/01/16	06/30/19	25,039	71,450	(1,328)
		6939849	C	P039010	AGREEMENT DATED 10/2	Shah /Pratik	10/01/18	09/30/19	71,785	0	(71,785)

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	<b>Total by Primary Sponsor</b>								<b>226,175</b>	<b>1,623,329</b>	<b>111,984</b>
002531 Centre National de la Recherche Scientifique (CNRS)	002531 Centre National	6926038	G	P320000	AGREEMENT DATED 6/1/12	Pellenq /Roland Jm	06/01/12	12/31/19	218,528	1,049,924	165,256
	<b>Total by Primary Sponsor</b>								<b>218,528</b>	<b>1,049,924</b>	<b>165,256</b>
002561 Cisco Systems, Incorporated	002561 Cisco Systems, Incorporated	6916789	C	P122030	MEMBERSHIP AGREEMENT	Malone /Thomas W	07/01/07	08/31/14	0	1,520,000	0
		6923637	C	P122172	LEADERSHIP CONSORTIUM	Ancona /Deborah G	06/01/10	05/31/15	0	247,415	(0)
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>1,767,415</b>	<b>0</b>
002594 Commissariat a l'Energie Atomique (CEA)	002594 Commissariat a l'Energie Atomique (CEA)	6938370	C	P068000	AGREEMENT DATED 1/1/11	Bucci /Matteo	01/01/18	12/31/19	233,304	401,770	90,092
		6940969	C	P068000	AGREEMENT DATED 1/1/11	Bucci /Matteo	05/01/18	12/31/19	0	40,737	40,737
	<b>Total by Primary Sponsor</b>								<b>233,304</b>	<b>442,507</b>	<b>130,828</b>
002630 Digital Equipment Corporation	002630 Digital Equipment Corporation	7250600	G	P122030	AGREEMENT NO. 890	Malone /Thomas W	07/15/89	07/31/94	0	1,104,351	(0)
		7666700	G	P067952	LETTER DATED 1/22/92	Saltzer /Jerome H	01/01/92	12/31/19	0	200,000	6,309
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>1,304,351</b>	<b>6,309</b>
002650 Dow Chemical Company	002650 Dow Chemical Company	6937824	C	P152000	AGREEMENT DATED JUL 1/1/11	Dinca /Mircea	11/15/17	11/14/19	296,698	581,700	149,996
		6937889	C	P062000	AGREEMENT DATED JUL 1/1/11	Rutledge /Gregory C	11/15/17	11/14/20	335,783	853,336	414,922
		6937973	C	P068000	AGREEMENT DATED JUL 1/1/11	Yildiz /Bilge	11/15/17	11/14/20	375,479	842,752	408,083
		6938140	C	P062000	AGREEMENT DATED JUL 1/1/11	Olsen /Bradley D.	12/15/17	12/14/19	97,623	410,790	256,733
		6938141	C	P152000	AGREEMENT DATED JUL 1/1/11	Johnson /Jeremiah A.	12/15/17	12/14/19	253,593	454,497	95,902
		6939780	C	P062000	252048AE	Green /William H	09/01/18	08/31/21	126,970	128,997	2,027
	009001 Lincoln Laborat	6936180	C	P152000	PO# 7000384311	Johnson /Jeremiah A.	02/15/17	08/31/19	118,542	311,723	(1,825)
	<b>Total by Primary Sponsor</b>								<b>1,604,688</b>	<b>3,583,795</b>	<b>1,325,838</b>
002670 DSM Research	002670 DSM Research	6939910	C	P069201	PO# 4702063178	Voigt /Christopher A.	07/01/18	06/30/20	167,830	518,185	350,356
		6940319	C	P152000	AGMT. DTD. 1/1/19	Bawendi /Moungi G	01/01/19	12/31/19	48,486	75,000	26,514
		6940322	C	P152000	SRA EFFECTIVE 1/01/2019	Bawendi /Moungi G	01/01/19	12/31/19	60,199	150,000	89,801
	<b>Total by Primary Sponsor</b>								<b>276,515</b>	<b>743,185</b>	<b>466,671</b>
002674 Denso International America	002674 Denso International America	6929518	C	P060600	AGREEMENT DATED 3/1/11	Chandrakasan /Anantha P	03/01/14	05/31/16	0	33,680	33,680
		6930029	C	P060600	AGREEMENT DATED 3/1/11	Chandrakasan /Anantha P	05/01/14	04/30/16	0	188,186	(0)
		6930084	C	P061090	AGREEMENT DATED 3/1/11	How /Jonathan P	06/01/14	03/31/18	0	289,953	0
		6930552	C	P069501	AGREEMENT DATED 3/1/11	Coughlin /Joseph F	03/01/14	05/31/16	0	250,000	0
		6931419	C	P061093	AGREEMENT DATED 3/1/11	Wardle /Brian L	01/15/15	02/28/18	0	233,111	27
		6932046	C	P039010	AGREEMENT DATED 3/1/11	Larson /Kent	07/01/14	10/31/16	0	297,695	(0)
		6934093	C	P039010		Larson /Kent	01/02/16	10/31/16	0	102,184	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>1,394,809</b>	<b>33,707</b>
002690 E.I. Du Pont De Nemours & Company	002690 E.I. Du Pont De Nemours & Company	6791744	C	P065000	AGMT EFF. 12/10/99	Consi /Thomas R	02/01/01	02/01/03	0	191,698	0
		6890357	C	P069201	AGMT EFF. 1/31/12	Tidor /Bruce	01/01/00	01/30/18	0	111,942	548
		6890449	C	P069201	AGMT EFF. 12/10/99	Tidor /Bruce	01/01/00	01/30/18	0	2,918,953	66
		6890450	C	P069201	AGMT EFF. 12/10/99	Tidor /Bruce	01/01/00	01/30/18	0	328,040	0
		6891363	C	P065000	AGMT EFF. 12/10/99	Kamm /Roger Dale	09/01/00	12/31/02	0	142,065	(0)

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		6891364	C	P066000	AGMT EFF. 12/10/99	Rubner /Michael F	09/01/00	01/31/04	0	964,723	(0)
		6891365	C	P166000	AGMT EFF. 12/10/99	Wang /Daniel I. C.	08/01/00	12/31/05	0	603,471	0
		6891469	C	P152000	AGMT EFF. 12/10/99	Stubbe /JoAnne	09/01/00	12/31/02	0	70,774	0
		6891470	C	P069850	AGMT EFF. 12/10/99	van Oudenaarden /Alexander	09/01/00	05/31/04	0	597,233	(0)
		6891471	C	P122000	AGMT EFF. 12/10/99	Murray /Fiona E	09/01/00	12/31/03	0	282,221	0
		6891472	C	P062000	AGMT EFF. 12/10/99	Stephanopoulos /Gregory	09/01/00	04/30/04	0	1,391,882	0
		6891474	C	P062000	AGMT EFF. 12/10/99	Jensen /Klavs F	09/01/00	12/31/05	0	1,405,686	(0)
		6891477	C	P069200	AGMT EFF. 12/10/99	Griffith /Linda G	09/01/00	11/14/06	0	1,698,240	(0)
		6891478	C	P069850	AGMT EFF. 12/10/99	Thomas /Edwin L	09/01/00	05/31/04	0	343,378	0
		6891546	C	P151000	AGMT EFF. 12/10/99	Sinskey /Anthony J	09/01/00	12/31/05	0	893,472	(0)
		6891547	C	P062000	AGMT EFF. 12/10/99	Laibinis /Paul E	09/01/00	03/27/03	0	341,273	(0)
		6891548	C	P267600	AGMT EFF. 12/10/99	Ram /Rajeev J	09/01/00	12/31/05	0	755,991	0
		6891611	C	P151009	AGMT EFF. 12/10/99	Grossman /Alan Davis	09/01/00	05/31/04	0	424,601	(0)
		6891612	C	P151031	AGMT EFF. 12/10/99	Sinskey /Anthony J	09/01/00	04/30/04	0	458,654	(0)
		6891613	C	P065000	AGMT EFF. 12/10/99	Anand /Lalit	09/01/00	04/30/03	0	141,765	(0)
		6891614	C	P065000	AGMT EFF. 12/10/99	McKinley /Gareth H	09/01/00	12/31/02	0	165,995	0
		6891615	C	P166000	AGMT EFF. 12/10/99	Zhang /Shuguang	09/01/00	12/31/02	0	107,764	(0)
		6891743	C	P066000	AGMT EFF. 12/10/99	Chiang /Yet-Ming	02/01/01	06/30/06	0	679,964	0
		6891745	C	P166000	AGMT EFF. 12/10/99	Grodzinsky /Alan J	02/01/01	12/31/03	0	300,013	0
		6891746	C	P159300	AGMT EFF. 12/10/99	Sur /Mriganka	02/01/01	05/31/04	0	288,693	(0)
		6891747	C	P166000	AGMT EFF. 12/10/99	Zhang /Shuguang	02/01/01	12/31/03	0	475,000	(0)
		6891802	C	P166000	AGMT EFF. 12/10/99	Tannenbaum /Steven R	01/01/01	01/31/05	0	629,774	(0)
		6891803	C	P069200	AGMT EFF. 12/10/99	Sherley /James L	01/01/01	12/31/04	0	505,042	0
		6891804	C	P166000	AGMT EFF. 12/10/99	Lauffenburger /Douglas A	01/01/01	02/28/05	0	90,000	0
		6891805	C	P166000	AGMT EFF. 12/10/99	Sorger /Peter K	01/01/01	12/31/04	0	300,682	(0)
		6891806	C	P402100	AGMT EFF. 12/10/99	Schauer /David	01/01/01	02/28/05	0	310,099	0
		6891821	C	P065000	AGMT EFF. 12/10/99	Consi /Thomas R	02/01/01	01/31/03	0	98,789	0
		6891955	C	P159300	AGMT EFF. 12/10/99	Langer /Robert S	02/01/01	12/31/03	0	175,745	(0)
		6892439	C	P166000	AGMT EFF. 12/10/99	Grodzinsky /Alan J	09/01/01	12/31/03	0	339,966	0
		6892440	C	P152000	AGMT EFF. 12/10/99	Seeberger /Peter H	09/01/01	08/31/03	0	144,776	0
		6892441	C	P069200	AGMT EFF. 12/10/99	Sasisekharan /Ram	09/01/01	08/31/03	0	145,696	(0)
		6892667	C	P062000	AGMT EFF. 12/10/99	Doyle /Patrick S	10/01/01	05/31/06	0	373,200	(0)
		6892987	C	P064000	AGMT EFF. 12/10/99	Dresselhaus /Mildred S	01/01/00	10/15/02	0	13,941	0
		6893110	C	P267600	AGMT EFF. 12/10/99	Ram /Rajeev J	09/01/00	12/31/02	0	3,450	0
		6893175	C	P069200	AGMT EFF. 12/10/99	Griffith /Linda G	03/18/02	12/31/06	0	133,204	0
		6893278	C	P069850	AGMT EFF. 12/10/99	Thomas /Edwin L	04/12/02	11/30/02	0	3,728	0
		6893542	C	P066000	AGMT EFF. 12/10/99	Jensen /Klavs F	06/25/02	12/31/02	0	12,413	0
		6894183	C	P064000	AGMT EFF. 12/10/99	Dresselhaus /Mildred S	01/01/00	12/31/05	0	327,438	0
		6894224	C	P069850	AGMT EFF. 12/10/99	Thomas /Edwin L	10/28/02	06/30/03	0	3,483	0
		6894432	C	P062000	AGMT EFF. 12/10/99	Langer /Robert S	02/01/03	12/31/05	0	668,084	0
		6894465	C	P062000	AGMT EFF. 12/10/99	Jensen /Klavs F	01/30/03	05/25/05	0	53,501	0
		6894485	C	P062000	AGMT EFF. 12/10/99	Hatton /Trevor Alan	03/01/03	12/31/05	0	480,000	(0)
		6894578	C	P062000	AGMT EFF. 12/10/99	Langer /Robert S	03/03/03	12/31/06	0	1,520,663	0
		6894670	C	P267600	AGMT EFF. 12/10/99	Smith /Henry I	04/03/03	12/31/05	0	140,987	0
		6894795	C	P267600	AGMT EFF. 12/10/99	Ram /Rajeev J	09/01/00	12/31/03	0	8,051	0
		6894796	C	P267600	AGMT EFF. 12/10/99	Ram /Rajeev J	09/01/00	03/31/05	0	11,067	0
		6894922	C	P150000	AGMT EFF. 12/10/99	Frankel /Felice	05/15/03	11/15/04	0	180,023	(0)
		6894999	C	P066000	AGMT EFF. 12/10/99	Ceder /Gerbrand	07/01/03	05/31/06	0	482,623	0
		6895450	C	P067952	AGMT EFF. 12/10/99	Tidor /Bruce	09/01/03	05/31/07	0	48,967	(0)

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**Massachusetts Institute of Technology**  
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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6895581	C	P067952	AGMT EFF. 12/10/99	Tidor /Bruce	10/01/03	12/31/06	0	346,065	(0)
		6895582	C	P067952	AGMT EFF. 12/10/99	Klibanov /Alexander M	10/01/03	12/31/06	0	375,143	(0)
		6895583	C	P067952	AGMT EFF. 12/10/99	Wittrup /Karl Dane	10/01/03	05/31/07	0	461,720	0
		6895651	C	P122000	AGMT EFF. 12/10/99	Murray /Fiona E	10/20/03	08/31/04	0	92,012	0
		6895775	C	P062000	AGMT EFF. 12/10/99	Trout /Bernhardt L	08/01/03	12/31/05	0	185,622	0
		6895903	C	P151000	AGMT EFF. 12/10/99	Lindquist /Susan	01/01/04	12/31/06	0	1,889,951	0
		6895912	C	P066000	AGMT EFF. 12/10/99	Irvine /Darrell J	01/01/04	02/28/06	0	269,916	(0)
		6896011	C	P066000	AGMT EFF. 12/10/99	Rubner /Michael F	01/01/04	12/31/05	0	214,069	(0)
		6896031	C	P151031	AGMT EFF. 12/10/99	Sinskey /Anthony J	06/01/04	12/31/05	0	642,621	0
		6896046	C	P066000	AGMT EFF. 12/10/99	Rubner /Michael F	01/01/04	12/31/06	0	318,000	0
		6896048	C	P062000	AGMT EFF. 12/10/99	Gleason /Karen K	06/01/04	12/31/06	0	393,950	(0)
		6896049	C	P062000	AGMT EFF. 12/10/99	Stephanopoulos /Gregory	05/01/04	11/14/06	0	1,390,408	(0)
		6896187	C	P062000	AGMT EFF. 12/10/99	Gleason /Karen K	04/01/04	12/31/05	0	13,167	0
		6896515	C	P161000	AGMT EFF. 12/10/99	Edelman /Elazer R	06/01/04	10/24/06	0	2,090,299	0
		6896516	C	P062000	AGMT EFF. 12/10/99	Tester /Jefferson W	06/01/04	10/31/09	0	302,036	(0)
		6896868	C	P062000	AGMT EFF. 12/10/99	Tester /Jefferson W	09/01/04	12/31/07	0	66,734	0
		6898231	C	P401511	AGMT EFF. 12/10/99	DeLong /Edward Francis	07/01/05	12/31/08	0	627,349	(0)
		6898232	C	P062000	AGMT EFF. 1/1/05	Hammond /Paula T	07/01/05	12/31/07	0	415,082	0
		6898233	C	P267110	AGMT EFF. 12/10/99	Han /Jongyoon	07/01/05	07/31/07	0	200,000	(0)
		6898234	C	P062000	AGMT EFF. 12/10/99	Rutledge /Gregory C	07/01/05	04/30/09	0	286,484	0
		6898235	C	P062000	AGMT EFF. 12/10/99	Rutledge /Gregory C	07/01/05	12/31/08	0	763,432	0
		6898236	C	P065002	AGMT EFF. 1/1/05	Shao-Horn /Yang	07/01/05	06/30/08	0	496,925	(0)
		6898237	C	P066000	AGMT EFF. 12/10/99	Van Vliet /Krystyn J	07/01/05	06/30/08	0	457,000	(0)
		6898238	C	P065002	AGMT EFF. 12/10/99	Boyce /Mary Cunningham	07/01/05	12/31/08	0	809,034	0
		6898257	C	P065002	AGMT EFF. 12/10/99	Barbastathis /George	07/01/05	05/31/08	0	208,668	(0)
		6898258	C	P062000	AGMT EFF. 12/10/99	Doyle /Patrick S	07/01/05	07/31/07	0	175,000	0
		6898333	C	P152000	AGMT EFF. 12/10/99	Swager /Timothy M	07/01/05	12/31/06	0	224,017	(0)
		6898454	C	P065002	AGMT EFF. 12/10/99	Shao-Horn /Yang	08/26/05	07/31/06	0	31,177	0
		6898579	C	P267400	AGMT EFF. 1/1/05	Baldo /Marc A	09/01/05	11/21/08	0	470,000	0
		6898642	C	P062000	AGMT EFF. 1/5/05	Hatton /Trevor Alan	07/01/05	12/31/08	0	825,000	0
		6898756	C	P062000	AGMT. EFF. 1/1/05	Shao-Horn /Yang	07/01/05	12/31/07	0	145,257	0
		6899014	C	P062000	AGMT EFF. 1/1/05	Barton /Paul I	01/01/06	12/31/08	0	428,346	0
		6899015	C	P062000	AGMT EFF. 1/1/05	Blankschtein /Edmundo D	01/01/06	12/31/11	0	1,338,749	(0)
		6899016	C	P062000	AGMT EFF. 1/1/05	Trout /Bernhardt L	01/01/06	12/31/07	0	289,056	0
		6899246	C	P062000	AGMT EFF. 12/10/99	Gleason /Karen K	02/17/06	12/31/06	0	24,297	0
		6899466	C	P069850	AGMT EFF. 1/1/05	Sadoway /Donald Robert	04/01/06	12/31/08	0	375,114	0
		6899832	C	P161000	AGMT EFF. 12/10/99	Edelman /Elazer R	07/01/06	12/31/09	0	2,055,821	(0)
		6914301	C	P062000	AGMT. EFF. 1/1/05	Shao-Horn /Yang	07/01/05	10/31/06	0	7,161	0
		6915330	C	P067952	AGMT EFF. 1/1/05	Tidor /Bruce	09/01/07	12/31/11	0	429,300	(0)
		6915331	C	P062000	AGMT EFF. 1/1/05	Rutledge /Gregory C	09/01/07	11/30/11	0	417,139	0
		6915332	C	P062000	AGMT EFF. 1/1/05	Hatton /Trevor Alan	09/01/07	03/31/11	0	937,497	0
		6915333	C	P066000	AGMT EFF. 1/1/05	Ceder /Gerbrand	09/01/07	04/30/11	0	943,153	(0)
		6915334	C	P066000	AGMT EFF. 1/1/05	Stellacci /Francesco	09/01/07	12/31/10	0	617,140	0
		6916471	C	P066000	AGMT EFF. 1/1/05	Kong /Jing	09/01/07	08/20/09	0	90,800	(0)
		6916472	C	P066000	AGMT EFF. 1/1/05	Van Vliet /Krystyn J	09/01/07	12/31/10	0	153,647	(0)
		6918429	C	P062000	AGMT EFF. 12/10/99	Langer /Robert S	09/01/08	12/31/09	0	477,671	(0)
		6918430	C	P062000	AGMT EFF. 12/10/99	Strano /Michael S.	09/01/08	11/03/11	0	322,000	(0)
		6919293	C	P031000	AGMT EFF. 12/10/99	Glicksman /Leon R	01/01/09	12/31/14	0	706,697	0
		6919323	C	P066000	AGMT EFF. 12/10/99	Stellacci /Francesco	03/01/09	11/30/10	0	186,692	(52,679)

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance	
		6919946	C	P062000	AGMT EFF. 12/10/99	Langer /Robert S	07/01/08	12/31/09	0	72,032	0	
		6921327	C	P066000	AGMT EFF. 12/10/99	Van Vliet /Krystyn J	01/01/10	02/29/12	0	375,000	0	
		6921442	C	P062000	AGMT EFF. 12/10/99	Maheshri /Narendra	09/01/09	03/31/12	0	197,890	0	
		6921443	C	P152000	AGMT EFF. 12/10/99	Movassaghi /Mohammad	02/22/10	12/31/11	0	271,800	(0)	
		6921590	C	P267600	AGMT EFF. 12/10/99	Berggren /Karl K	03/15/10	12/31/11	0	80,419	0	
		6921870	C	P069700	AGMT EFF. 12/10/99	Varanasi /Kripa	07/01/10	12/31/12	0	459,496	0	
		6922554	C	P062000	AGMT EFF. 12/10/99	Roman /Yuriy	08/01/10	12/31/12	0	355,250	(0)	
		6923250	C	P152000	AGMT EFF. 12/10/99	Bawendi /Moungi G	01/01/11	12/31/11	0	125,000	0	
		6923251	C	P065007	AGMT EFF. 12/10/99	McKinley /Gareth H	01/01/11	07/31/13	0	250,000	0	
		6925428	C	P065004	AGMT EFF. 12/10/99	Buie /Cullen	01/01/11	09/30/14	0	269,141	(0)	
		6926131	C	P066000	AGMT EFF. 1/1/12	Ceder /Gerbrand	08/01/12	07/31/14	0	330,000	(0)	
		6930846	C	P267500	PROGRAM AGREEMENT I	Berggren /Karl K	12/01/14	11/30/16	0	439,849	0	
	6930847	C	P152000	PROGRAM AGREEMENT I	Johnson /Jeremiah A.	10/01/14	09/30/17	0	296,783	0		
Total by Primary Sponsor									0	51,797,960	(52,066)	
002702 Eaton Corporation	002702 Eaton Corporation	6932992	C	P065004	PO 0011-40873	Annaswamy /Anuradha M	11/01/15	12/31/17	(200)	300,000	0	
		6938221	C	P068700	AGMT DTD 2/20/18	Ilic /Marija	07/01/18	01/02/19	43,717	43,717	(0)	
	Total by Primary Sponsor									43,517	343,717	0
002730 Electric Power Research Institute	002730 Electric Power Research Institute	6936779	C	P159400	10007756	Prinn /Ronald G	06/21/17	12/31/18	98,757	180,000	(0)	
		Total by Primary Sponsor									98,757	180,000
	002735 East Japa Railway Company	002735 East Japan Rail	6939738	G	P061093	SRA DTD. JULY 1, 2018	de Weck /Olivier L	07/01/18	06/30/21	192,645	940,000	747,355
Total by Primary Sponsor									192,645	940,000	747,355	
002741 EDF Electricite De France		002741 EDF Electricite De France	6923371	C	P320000	EDF MITEI ASSOCIATE MI	Golay /Michael W	09/01/10	03/31/15	0	550,721	(0)
	6938900		C	P320000	AGREEMENT DATED 6/1/1	Shirvan /Koroush	06/01/18	05/31/20	97,695	148,227	50,531	
	Total by Primary Sponsor									97,695	698,948	50,531
002756 Enel Produzione S.p.A.	002756 Enel Produzione S.p.A.	6918397	C	P320000	ENEL MITEI SUSTAINING	Grossman /Jeffrey C.	09/01/10	10/31/11	0	150,003	0	
		Total by Primary Sponsor									0	150,003
	002783 Exxon Chemical Compan	002783 Exxon Chemical	6933254	C	P062000	LAW 2015-0688	Rutledge /Gregory C	12/02/15	06/30/18	(149)	478,172	(0)
Total by Primary Sponsor									(149)	478,172	(0)	
002800 Fermilab		002800 Fermilab	6940269	C	P159900	SUB NO. 652561	Klute /Markus	02/05/19	12/31/19	10,367	7,500	(2,867)
	6940656		C	P159900	SUB NO. 656089	Klute /Markus	04/17/19	05/31/20	0	15,000	15,000	
	6940661		G	P159900	SUBCONTRACT NO. 6557	Klute /Markus	05/01/19	04/30/20	6,848	26,267	19,419	
	Total by Primary Sponsor									17,216	48,767	31,551
002817 Fidelity Investments	002817 Fidelity Investm	6939539	C	P121012	10018958 / PO35336484	Simester /Duncan	09/15/18	09/14/21	109,181	532,562	423,381	
		Total by Primary Sponsor									109,181	532,562
	002848 Bristol	002848 Bristol Myers Sc	6940079	G	P152000	SRA DTD 12/14/2018	Buchwald /Stephen Leffler	01/01/19	12/31/20	108,927	400,000	291,073

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Myers SQUIBB	<b>Total by Primary Sponsor</b>								<b>108,927</b>	<b>400,000</b>	<b>291,073</b>
002850 Ford Motor Company	002850 Ford Motor Company	6917065	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/08	12/31/22	0	240,000	240,000
		6917066	C	P067952	FORD-MIT ALLIANCE AGF	Kaelbling /Leslie P	01/01/08	12/31/10	0	373,150	0
		6917067	C	P320000	FORD-MIT ALLIANCE AGF	Sterman /John	01/01/08	08/31/09	0	125,000	(0)
		6917068	C	P066000	FORD-MIT ALLIANCE AGF	Ceder /Gerbrand	01/01/08	01/31/10	0	171,288	0
		6917069	C	P320000	FORD-MIT ALLIANCE AGF	Heywood /John B	02/01/08	03/31/08	0	39,914	0
		6917070	C	P065002	FORD-MIT ALLIANCE AGF	Heywood /John B	04/01/08	03/31/10	0	422,877	0
		6917071	C	P065002	FORD-MIT ALLIANCE AGF	Cheng /Wai K	04/01/08	08/31/10	0	336,750	0
		6917072	C	P067952	FORD-MIT ALLIANCE AGF	Leonard /John J	04/01/08	05/31/11	0	352,336	0
		6917073	C	P320000	FORD-MIT ALLIANCE AGF	Herzog /Howard J	07/01/08	12/31/09	0	13,963	0
		6917074	C	P063007	FORD-MIT ALLIANCE AGF	Williams /John R	05/01/09	07/31/11	0	147,872	0
		6917075	C	P067952	FORD-MIT ALLIANCE AGF	Balakrishnan /Hari	05/01/09	08/31/13	0	376,559	0
		6917076	C	P066000	FORD-MIT ALLIANCE AGF	Ceder /Gerbrand	10/01/10	08/31/12	0	278,765	0
		6917077	C	P069850	FORD-MIT ALLIANCE AGF	Kirchain /Randolph E	06/01/10	08/30/12	0	264,823	0
		6917078	C	P121012	FORD-MIT ALLIANCE AGF	Rudin /Cynthia	06/01/10	08/31/11	0	106,013	0
		6917079	C	P068700	FORD-MIT ALLIANCE AGF	Shah /Devavrat	07/01/10	08/31/13	0	150,000	(0)
		6917080	C	P065004	FORD-MIT ALLIANCE AGF	Shao-Horn /Yang	10/01/10	05/31/12	0	261,878	(0)
		6917081	C	P067952	FORD-MIT ALLIANCE AGF	Fisher /John W	04/01/11	12/31/14	0	295,455	(0)
		6917082	C	P067952	FORD-MIT ALLIANCE AGF	Miller /Robert C	04/01/11	09/30/13	0	300,461	0
		6917083	C	P067952	FORD-MIT ALLIANCE AGF	Leonard /John J	04/01/11	12/31/14	0	133,396	0
		6917084	C	P065007	FORD-MIT ALLIANCE AGF	Annaswamy /Anuradha M	04/01/11	12/31/13	0	296,438	0
		6917085	C	P069400	FORD-MIT ALLIANCE AGF	de Neufville /Richard L	04/01/11	06/30/12	0	116,157	(0)
		6917086	C	P063007	FORD-MIT ALLIANCE AGF	Barnhart /Cynthia	01/02/12	06/30/14	0	290,827	0
		6917087	C	P121012	FORD-MIT ALLIANCE AGF	Bertsimas /Dimitris J	01/02/12	12/31/14	0	293,419	0
		6917088	C	P065006	FORD-MIT ALLIANCE AGF	Cheng /Wai K	01/02/12	12/31/13	0	293,997	(0)
		6917089	C	P069850	FORD-MIT ALLIANCE AGF	Kirchain /Randolph E	01/02/12	12/31/13	0	280,828	(0)
		6917090	C	P122070	FORD-MIT ALLIANCE AGF	Knittel /Christopher Roland	01/02/12	12/31/15	0	291,199	0
		6921549	C	P069500	FORD-MIT ALLIANCE AGF	Coughlin /Joseph F	12/01/09	06/30/10	0	120,000	(0)
		6922645	C	P121012	FORD-MIT ALLIANCE AGF	Farias /Vivek F.	07/01/10	08/31/13	0	150,000	(0)
		6924151	C	P067952	FORD-MIT ALLIANCE AGF	Fisher /John W	04/01/11	08/31/13	0	49,545	0
		6924402	C	P067952	FORD-MIT ALLIANCE AGF	Glass /James R	04/01/11	08/31/13	0	91,604	(0)
		6925241	C	P121012	FORD-MIT ALLIANCE AGF	Rudin /Cynthia	01/02/12	08/31/14	0	292,780	(0)
		6925242	C	P063007	FORD-MIT ALLIANCE AGF	Simchi-Levi /David	01/02/12	05/31/14	0	281,329	(0)
		6925243	C	P067952	FORD-MIT ALLIANCE AGF	Kaelbling /Leslie P	01/02/12	03/31/14	0	299,863	(0)
		6925244	C	P065004	FORD-MIT ALLIANCE AGF	Wierzbicki /Tomasz	01/02/12	01/01/14	0	287,011	(0)
		6925245	C	P066000	FORD-MIT ALLIANCE AGF	Ceder /Gerbrand	06/01/10	08/31/12	0	21,790	(0)
		6925246	C	P065004	FORD-MIT ALLIANCE AGF	Shao-Horn /Yang	06/01/10	05/31/12	0	38,129	0
		6925247	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	11/01/12	05/31/15	0	299,775	0
		6925249	C	P122170	FORD-MIT ALLIANCE AGF	Brynjolfsson /Erik	01/01/13	12/31/13	0	152,195	0
		6925250	C	P121400	FORD-MIT ALLIANCE AGF	von Hippel /Eric A	01/01/13	12/31/13	0	0	0
		6925251	C	P061093	FORD-MIT ALLIANCE AGF	Leveson /Nancy G	01/01/13	12/31/15	0	397,792	0
		6925253	C	P069850	FORD-MIT ALLIANCE AGF	Kirchain /Randolph E	01/01/13	12/31/14	0	304,706	0
		6925254	C	P065005	FORD-MIT ALLIANCE AGF	Wong /Victor W	01/01/13	12/31/14	0	299,391	(0)
		6925255	C	P065006	FORD-MIT ALLIANCE AGF	Cheng /Wai K	01/01/13	12/31/13	0	140,890	(0)
		6925256	C	P121012	FORD-MIT ALLIANCE AGF	Rudin /Cynthia	01/01/13	05/31/16	0	239,001	0
		6925258	C	P030001	FORD-MIT ALLIANCE AGF	Larson /Kent	06/01/13	05/31/15	0	200,000	(0)
		6925259	C	P063007	FORD-MIT ALLIANCE AGF	Barnhart /Cynthia	06/01/13	03/31/14	0	0	0

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		6925260	C	P063007	FORD-MIT ALLIANCE AGF	Gonzalez /Marta C.	07/01/13	06/30/16	0	299,980	0
		6928249	C	P067952	FORD-MIT ALLIANCE AGF	Abelson /Harold	07/01/13	12/31/14	0	99,594	(0)
		6928261	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	09/01/13	12/31/19	60,000	758,270	171,270
		6928263	C	P065004	FORD-MIT ALLIANCE AGF	Annaswamy /Anuradha M	09/01/13	12/31/15	0	300,000	(0)
		6928264	C	P063007	FORD-MIT ALLIANCE AGF	Ben-Akiva /Moshe E	01/01/14	08/31/17	0	297,978	0
		6929105	C	P063007	FORD-MIT ALLIANCE AGF	Osorio Pizano /Carolina	01/01/14	09/30/16	0	308,697	0
		6929726	C	P065005	FORD-MIT ALLIANCE AGF	Wierzbicki /Tomasz	01/01/14	12/31/15	0	298,250	(0)
		6929727	C	P065005	FORD-MIT ALLIANCE AGF	Reis /Pedro Miguel	01/01/14	08/31/16	0	300,000	(0)
		6929728	C	P067952	FORD-MIT ALLIANCE AGF	Glass /James R	01/01/14	12/31/16	0	298,443	(0)
		6930032	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/08	12/31/22	0	342,621	342,621
		6930232	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	07/01/14	12/31/16	0	400,000	(0)
		6930728	C	P065003	FORD-MIT ALLIANCE AGF	Youcef-Toumi /Kamal	09/01/14	05/31/17	0	249,969	0
		6931433	C	P061097	FORD-MIT ALLIANCE AGF	Oman /Charles M	01/01/15	12/31/17	0	314,224	0
		6931655	C	P065005	FORD-MIT ALLIANCE AGF	Wong /Victor W	01/01/15	11/30/16	0	252,274	(0)
		6931656	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/15	12/31/17	0	298,032	(0)
		6931657	C	P063007	FORD-MIT ALLIANCE AGF	Simchi-Levi /David	01/01/15	08/31/17	0	299,211	(0)
		6931849	C	P069400	FORD-MIT ALLIANCE AGF	Trancik /Jessika	01/01/15	09/30/17	0	299,524	(0)
		6933339	C	P061090	FORD-MIT ALLIANCE AGREEMENT JANUARY	How /Jonathan P	01/01/16	12/31/18	0	30,883	30,883
		6933340	C	P061090	FORD-MIT ALLIANCE AGREEMENT JANUARY	How /Jonathan P	01/01/16	12/31/18	111,293	349,595	(0)
		6933341	C	P063007	FORD-MIT ALLIANCE AGREEMENT JANUARY	Osorio Pizano /Carolina	01/01/16	12/31/18	(80)	341,464	0
		6933342	C	P065004	FORD-MIT ALLIANCE AGREEMENT JANUARY	Annaswamy /Anuradha M	01/01/16	12/31/18	12,369	300,000	(0)
		6933729	C	P121012	FORD-MIT ALLIANCE AGREEMENT JANUARY	Graves /Stephen C	07/01/16	12/31/18	34,457	232,497	(0)
		6933730	C	P152000	FORD-MIT ALLIANCE AGREEMENT JANUARY	Dinca /Mircea	06/01/16	12/31/18	1,659	200,000	(0)
		6933731	C	P061093	FORD-MIT ALLIANCE AGREEMENT JANUARY	Leveson /Nancy G	01/01/16	12/31/18	(49)	284,352	0
		6933865	C	P065004	FORD-MIT ALLIANCE AGF	Wierzbicki /Tomasz	05/01/16	09/30/16	0	17,205	0
		6933866	C	P065004	FORD-MIT ALLIANCE AGREEMENT JANUARY	Wierzbicki /Tomasz	01/01/16	12/31/18	2,912	299,900	0
		6933867	C	P065005	FORD-MIT ALLIANCE AGREEMENT JANUARY	McKinley /Gareth H	01/01/16	12/31/18	33,995	254,839	(1,008)
		6933868	C	P069400	FORD-MIT ALLIANCE AGREEMENT JANUARY	Kirchain /Randolph E	01/01/16	12/31/18	14,312	294,933	(0)
		6934344	C	P063007	FORD-MIT ALLIANCE AGREEMENT JANUARY	Simchi-Levi /David	06/20/16	12/31/18	0	189,271	0
		6935542	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/18	12/31/19	0	0	0
		6935543	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/18	12/31/19	54,020	300,000	245,980
		6935714	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/17	12/31/19	0	58,938	58,938
		6935715	C	P061093	FORD-MIT ALLIANCE AGREEMENT JANUARY	Hansman /Robert J	01/01/17	12/31/18	0	92,217	0
		6935790	C	P063007	FORD-MIT ALLIANCE AGF	Williams /John R	01/01/17	12/31/19	208,786	290,820	82,034
		6935791	C	P067952	FORD-MIT ALLIANCE AGF	Glass /James R	01/01/17	01/31/19	89,489	299,442	(0)
		6935792	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/18	12/31/19	56,867	300,000	209,103
		6935793	C	P065005	FORD-MIT ALLIANCE AGF	Sarma /Sanjay E	01/01/17	09/18/19	207,818	300,000	(34,002)
		6935794	C	P065004	FORD-MIT ALLIANCE AGF	Wierzbicki /Tomasz	01/01/17	12/31/19	6,968	299,982	179,883
		6935936	C	P069400	FORD-MIT ALLIANCE AGF	Ashford /Nicholas A	01/01/17	04/30/18	(1,786)	75,054	(0)
		6936563	C	P065005	FORD-MIT ALLIANCE AGREEMENT JANUARY	McKinley /Gareth H	01/01/16	12/31/18	5,206	5,599	0

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		6936622	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	06/01/17	12/31/19	100,334	300,000	128,386
		6936623	C	P065004	FORD-MIT ALLIANCE AGF	Hart /Anastasios John	06/01/17	12/31/19	33,372	263,962	230,467
		6936624	C	P062000	FORD-MIT ALLIANCE AGF	Roman /Yuriy	06/01/17	06/30/18	0	50,504	0
		6936625	C	P065005	FORD-MIT ALLIANCE AGREEMENT JANUARY	Wang /Evelyn	06/01/17	12/31/18	16,044	120,000	(0)
		6936626	C	P065005	FORD-MIT ALLIANCE AGF	Sarma /Sanjay E	04/01/17	12/31/19	147,247	300,000	70,254
		6938191	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/18	12/31/19	119,762	300,000	177,614
		6938192	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/19	12/31/19	41,021	300,000	258,979
		6938193	C	P061093	FORD-MIT ALLIANCE AGF	Hansman /Robert J	01/01/18	12/31/19	96,312	244,351	106,500
		6938194	C	P152000	FORD-MIT ALLIANCE AGF	Dinca /Mircea	06/01/18	05/31/20	262,832	406,000	141,440
		6938195	C	P067952	FORD-MIT ALLIANCE AGREEMENT JANUARY	Broderick /Tamara A	09/01/18	12/31/18	0	0	0
		6938196	C	P067952	FORD-MIT ALLIANCE AGF	Matusik /Wojciech	01/01/18	12/31/19	243,989	300,000	20,198
		6938197	C	P065004	FORD-MIT ALLIANCE AGF	Annaswamy /Anuradha M	01/01/18	12/31/19	134,060	300,000	165,940
		6938198	C	P065005	FORD-MIT ALLIANCE AGF	McKinley /Gareth H	01/01/18	12/31/19	49,882	258,614	208,732
		6938199	C	P069850	FORD-MIT ALLIANCE AGF	Kirchain /Randolph E	01/01/18	12/31/19	184,288	304,039	119,751
		6938200	C	P068000	FORD-MIT ALLIANCE AGF	Yildiz /Bilge	01/01/18	12/31/19	70,538	300,000	229,462
		6940294	C	P039010	AGREEMENT DATED 2/8/1	Ishii /Hiroshi	10/01/18	09/30/20	2,880	97,494	94,614
		6940299	C	P061090	FORD-MIT ALLIANCE AGF	How /Jonathan P	01/01/19	12/31/21	0	876,230	876,230
		6940332	C	P267500	FORD-MIT ALLIANCE AGF	Lang /Jeffrey H	01/01/19	12/31/19	48,435	150,000	101,565
		6940676	C	P067952	FORD-MIT ALLIANCE AGF	Mueller /Stefanie	04/01/19	03/31/20	5,822	153,768	147,946
		6940713	C	P035000	FORD-MIT ALLIANCE AGF	Ratti /Carlo	05/01/19	04/30/20	13,439	149,998	136,559
		6941032	C	P065004	FORD-MIT ALLIANCE AGF	Annaswamy /Anuradha M	06/01/19	05/31/20	0	150,000	150,000
		6941090	C	P061093	FORD-MIT ALLIANCE AGF	Leveson /Nancy G	07/01/19	06/30/20	0	150,000	150,000
		Total by Primary Sponsor									2,468,490
002909 Fraunhofer Gesellschaft	002909 Fraunhofer Ges	6929194	C	P035000	AGREEMENT DATED 1/1/2	Ratti /Carlo	01/01/14	11/30/19	333	705,368	8,231
		Total by Primary Sponsor							333	705,368	8,231
002922 Genentech	002922 Genentech	6935512	C	P062000	AGREEMENT DATED 11.2	Swan /James W	11/28/16	12/31/19	35	110,000	43,459
		Total by Primary Sponsor							35	110,000	43,459
002940 General Electric Company	002940 General Electric Company	6924502	C	P061096	PO 400197204	Tan /Choon S	08/23/11	02/28/18	(14)	361,139	0
		6933373	C	P061096	PO 14N45078	Tan /Choon S	11/15/15	12/31/18	44,070	74,951	0
		6935056	G	P320000	AGREEMENT EFF. 08/15/2	Armstrong /Robert C	08/15/16	06/30/22	18,127	0	(18,127)
		6937659	G	P320107	AGREEMENT EFF. 08/15/2	Stoner /Robert	09/25/17	06/30/18	0	99,999	0
	Total by Primary Sponsor									62,183	536,089
002941 General Electric Corporate Research And Development	002941 General Electric Corporate Research And Development	6924316	C	P060600	AGMT. DTD. 4/25/11 PO# 4	Sodini /Charles G	08/01/11	12/31/19	1,252	16,000	0
		6924437	C	P069700	AGMT. DTD. 4/25/11 PO# 4	Sodini /Charles G	08/01/11	04/30/15	0	588,000	(0)
		6931361	C	P065004	AGMT. DTD. 4/25/11 PO# 4	Anthony /Brian	07/01/14	07/31/17	0	492,000	(0)
		6933331	C	P267500	AGMT. DTD. 4/25/11 PO# 4	Stultz /Collin M	10/01/15	09/30/18	0	196,000	280
		6937254	C	P061901	PO 401086609 REV2 LINE	Heldt /Thomas	09/01/17	03/07/18	0	49,979	(0)
Total by Primary Sponsor									1,252	1,341,979	280
002998 The Gillette Company	002998 The Gillette Cor	6938225	C	P069850	PO #8000583853	Tasan /Cemal	03/01/18	03/31/20	139,786	234,323	89,192

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Gillette Company LLC	<b>Total by Primary Sponsor</b>								<b>139,786</b>	<b>234,323</b>	<b>89,192</b>
003035 W.L. Gore and Associates	003035 W.L. Gore and Associates	6939237	C	P069201	AGREEMENT DTD 7/31/18	Kamm /Roger Dale	07/31/18	09/30/19	43,511	150,731	107,220
		6940396	C	P065004	AGREEMENT DTD. MARC	Anthony /Brian	03/01/19	02/28/20	25,743	75,000	49,257
	<b>Total by Primary Sponsor</b>								<b>69,254</b>	<b>225,731</b>	<b>156,477</b>
003088 Hyundai Motor Company	003088 Hyundai Motor Company	6938747	C	P039010	AGREEMENT DATED MAY	Hernandez Rivera /Javier	04/01/18	03/31/19	80,160	200,000	119,840
		6940015	G	P065005	4500032975	Tian /Tian	09/01/18	09/30/19	49,002	49,000	(2)
		6940503	G	P065002	RA DTD. 03/01/2019	Heywood /John B	03/01/19	11/30/19	28,756	235,000	206,244
	<b>Total by Primary Sponsor</b>								<b>157,918</b>	<b>484,000</b>	<b>326,082</b>
003141 Hamamatsu Photonics Kk	003141 Hamamatsu Photonics Kk	6927473	C	P152000	AGMT EFFECTIVE 2/1/13	So /Peter T. C.	02/01/13	01/31/20	127,127	800,000	41,791
	<b>Total by Primary Sponsor</b>								<b>127,127</b>	<b>800,000</b>	<b>41,791</b>
003150 Hoffmann, Laroche, Incorporated	003150 Hoffmann, Laroche, Incorporated	6932287	C	P402000	AGREEMENT DATED JUN	Langer /Robert S	06/01/15	09/30/20	0	0	(562)
		6933076	C	P402000	AGREEMENT DATED 10/1	Langer /Robert S	10/01/15	09/30/20	210,762	1,000,000	(7,682)
		6938994	C	P069201		Sasisekharan /Ram	09/04/18	09/03/20	55,564	700,000	644,436
		6940070	C	P402000	AGREEMENT DTD. 10/1/20	Langer /Robert S	10/01/15	09/30/20	252,030	950,000	697,970
	005321 Brigham & Won	6940150	C	P061901	MA39185 (119041)	Sontag /David Alexander	02/01/18	11/01/19	72,732	53,250	(19,482)
	<b>Total by Primary Sponsor</b>								<b>591,088</b>	<b>2,703,250</b>	<b>1,314,681</b>
003164 Honda R&D Company, Limited	003164 Honda R&D Company, Limited	6928404	C	P068000	RESEARCH AGR EFF AUC	Li /Ju	08/01/13	03/31/19	(747)	730,000	119,948
		6932827	C	P067952	AGMNT DTD 11/1/15	Katabi /Dina	11/01/15	12/31/18	425,012	641,357	(34,398)
		6933625	C	P067952	AGMNT DTD 11/1/15	Katabi /Dina	01/01/16	12/31/17	0	153,881	34,399
		6933970	C	P067952	LTR. AGREEMENT EFFECTIVE 03/01/2016	Katabi /Dina	03/01/16	12/31/18	25,216	56,317	(0)
	<b>Total by Primary Sponsor</b>								<b>449,481</b>	<b>1,581,555</b>	<b>119,948</b>
003165 Honeywell	003165 Honeywell	6940642	C	P154000	PO # 6400417348	Spivak /David I	02/01/19	07/31/20	33,666	128,000	94,334
	<b>Total by Primary Sponsor</b>								<b>33,666</b>	<b>128,000</b>	<b>94,334</b>
003174 The Hartford Financial Services Corporation	003174 The Hartford Financial Services Corporation	6931440	C	P069501	AGREEMENT EFFECTIVE	Coughlin /Joseph F	01/01/15	12/31/20	426,992	1,650,000	547,978
	<b>Total by Primary Sponsor</b>								<b>426,992</b>	<b>1,650,000</b>	<b>547,978</b>
003213 Iberdrola, S.A.	003213 Iberdrola, S.A.	6936501	C	P320000	AGREEMENT EFF. 05/31/2	Armstrong /Robert C	05/31/17	05/31/22	0	39,368	39,368
		6937068	C	P320109	AGREEMENT EFF. 05/31/2	Knittel /Christopher Roland	07/01/17	06/30/18	18,717	141,302	(0)
		6937920	C	P320000	AGREEMENT EFF. 05/31/2	Paltsev /Sergey	06/01/17	05/31/22	94,664	200,000	48,338
		6938135	C	P320000	AGREEMENT EFF. 05/31/2	Parsons /John E	09/01/17	09/30/18	60,967	129,330	(0)
		6939895	C	P320000	AGREEMENT EFF. 05/31/2	Veeramachaneni /Kalyan	10/01/18	01/31/20	90,368	190,000	99,632
	<b>Total by Primary Sponsor</b>								<b>264,715</b>	<b>700,000</b>	<b>187,339</b>
003256 Intel Corporation	003256 Intel Corporation	6119900	G	P067952	LETTER DATED 11/9/93	Clark /David D	11/01/93	12/31/19	0	125,000	43,570
		6933644	G	P267111	AGMT EFF DATE 4/1/16	Berggren /Karl K	04/01/16	09/30/19	197,267	375,000	(2,794)
		6937015	C	P060600	AGMT EFF DATE 9/1/17	Palacios /Tomas	09/01/17	08/31/19	125,885	275,000	10,025
		6938810	C	P060600	AGREEMENT EFFECTIVE	Han /Song	07/01/18	06/30/20	101,941	200,000	98,059

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6939374	C	P267300	AGMT EFF DATE 9/1/18	Medard /Muriel	09/01/18	08/31/19	81,935	126,569	44,634
		6940014	C	P154500		Chung /SueYeon	01/01/19	12/31/19	5,113	150,000	144,887
	<b>Total by Primary Sponsor</b>								<b>512,142</b>	<b>1,251,569</b>	<b>338,380</b>
003260 International Business Machine	003260 International Business Machine	6935629	C	P154500	AGREEMENT EFFECTIVE	McDermott /Joshua Hartman	11/01/16	10/31/19	0	0	0
		6935630	C	P154500	AGREEMENT EFFECTIVE	Tenenbaum /Joshua B	11/01/16	10/31/19	0	0	0
		6935659	C	P154500	AGREEMENT EFFECTIVE	McDermott /Joshua Hartman	11/01/16	10/31/19	148,833	524,036	140,784
		6935660	C	P154500	AGREEMENT EFFECTIVE	DiCarlo /James	11/01/16	10/31/19	161,293	372,923	49,033
		6935661	C	P067952	AGREEMENT EFFECTIVE	Oliva /Aude	11/01/16	10/31/19	119,144	603,041	211,845
		6935662	C	P154500	AGREEMENT EFFECTIVE	Tenenbaum /Joshua B	11/01/16	10/31/19	219,124	583,647	80,300
		6935663	C	P067952	AGREEMENT EFFECTIVE	Katz /Boris	11/01/16	10/31/19	260,154	916,353	267,596
		6937361	C	P060050	AGREEMENT NO. W17716	Torralba /Antonio	09/01/17	01/31/20	5,089	3,098,154	3,093,065
		6937491	C	P060050	AGREEMENT NO. W17716	Torralba /Antonio	09/01/17	09/01/22	936,309	1,708,926	493,481
		6937941	C	P060050	AGREEMENT NO. W17716	Torralba /Antonio	09/01/17	09/01/22	0	150,000	150,000
		6939132	C	P067952	AGREEMENT NO. W17716	Weitzner /Daniel J	04/01/18	03/31/20	10,976	150,000	139,024
		6939901	C	P060600	AGREEMENT NO. W17716	Boning /Duane S	09/01/18	09/01/19	131,295	150,000	18,705
		6940246	C	P060050	AGREEMENT NO. W17716	Torralba /Antonio	09/01/17	09/01/22	20,398	28,977	8,579
	103644 MIT-IBM Watson AI Lab	6937988	C	P061090	AGREEMENT NO. W17716	How /Jonathan P	02/01/18	01/31/21	118,936	300,000	149,803
		6938065	C	P267111	AGREEMENT NO. W17716	Daniel /Luca	04/01/18	06/30/20	87,146	162,000	74,854
		6938150	C	P068700	AGREEMENT NO. W17716	Polyanskiy /Yury	07/01/18	06/30/20	125,097	150,000	24,903
		6938204	C	P066000	AGREEMENT NO. W17716	Gomez-Bombarelli /Rafael	03/15/18	08/31/19	70,831	195,175	52,876
		6938205	C	P061901	AGREEMENT NO. W17716	Sontag /David Alexander	03/01/18	08/31/19	100,700	196,201	32,791
		6938206	C	P067952	AGREEMENT NO. W17716	Sontag /David Alexander	02/01/18	01/31/20	100,418	150,000	37,821
		6938208	C	P063007	AGREEMENT NO. W17716	Marelli /Benedetto	02/01/18	08/31/19	160,253	200,003	16,176
		6938261	C	P067952	AGREEMENT NO. W17716	Indyk /Piotr	01/16/18	08/31/19	117,315	215,000	18,498
		6938266	C	P069201	AGREEMENT NO. W17716	Fraenkel /Ernest	02/01/18	01/31/21	103,820	300,000	177,709
		6938374	C	P067952	AGREEMENT NO. W17716	Broderick /Tamara A	07/01/18	06/30/19	148,493	150,000	1,507
		6938375	C	P067952	AGREEMENT NO. W17716	Jaakkola /Tommi S	02/01/18	01/31/20	74,927	75,000	73
		6938376	C	P159900	AGREEMENT NO. W17716	Harrow /Aram W.	02/01/18	01/31/21	281,286	600,000	303,569
		6938392	C	P267110	AGREEMENT NO. W17716	Sze /Vivienne	03/01/18	06/30/19	108,957	150,000	19,974
		6938395	C	P400600	AGREEMENT NO. W1771646	Ajemian /Robert J	01/01/18	12/31/18	88,959	150,000	(0)
		6938419	C	P068700	AGREEMENT NO. W17716	Uhler /Caroline	01/01/18	12/31/20	74,960	150,000	41,190
		6938439	C	P068700	AGREEMENT NO. W17716	Bresler /Guy	01/01/18	12/31/20	16,479	150,000	88,822
		6938445	C	P068000	AGREEMENT NO. W17716	Yildiz /Bilge	01/01/18	12/31/20	148,606	300,000	149,682
		6938551	C	P067952	AGREEMENT NO. W17716	O'Reilly /Una-May	01/01/18	06/30/19	170,440	225,000	(13,178)
		6938688	C	P067952	AGREEMENT NO. W17716	Torralba /Antonio	02/01/18	01/31/20	125,868	150,000	24,132
		6938699	C	P154500	AGREEMENT NO. W17716	Tenenbaum /Joshua B	02/01/18	01/31/20	169,166	300,000	100,117
		6938700	C	P067952	AGREEMENT NO. W17716	Barzilay /Regina	01/01/18	12/31/20	151,439	300,000	148,561
		6938702	C	P121175	RPA 2018-1-023	Brynjolfsson /Erik	01/01/18	08/31/19	197,284	210,000	(4,840)
		6938736	C	P267500	AGREEMENT NO. W17716	Chuang /Isaac	01/02/18	01/01/21	179,202	300,000	120,798
		6938809	C	P061901	AGREEMENT NO. W17716	Lehman /Li-Wei	06/01/18	05/31/21	112,973	300,000	187,027
		6938872	C	P067952	AGREEMENT NO. W17716	Solomon /Justin	07/01/18	06/30/19	132,342	150,000	17,658
		6938873	C	P068700	AGREEMENT NO. W17716	Veeramachaneni /Kalyan	06/01/18	05/31/19	95,550	150,000	54,450
		6938874	C	P067952	AGREEMENT NO. W17716	Madry /Aleksander	07/01/18	06/30/19	150,712	150,000	(712)
		6938938	C	P067952	AGREEMENT NO. W17716	Sanchez Martin /Daniel	03/01/18	08/31/19	142,730	154,157	11,427
		6938943	C	P060600	AGREEMENT NO. W17716	Han /Song	07/01/18	06/30/19	169,881	150,000	(19,881)
		6939008	C	P067952	AGREEMENT NO. W17716	Barzilay /Regina	02/01/18	01/31/20	94,801	75,000	(19,801)
		6939009	C	P067952	AGREEMENT NO. W17716	Jaakkola /Tommi S	01/01/18	12/31/20	84,535	300,000	215,465

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		6939155	C	P402000	AGREEMENT NO. W1771E	Langer /Robert S	02/01/18	08/31/19	221,007	224,199	3,192
		6939524	C	P154500	AGREEMENT NO. W1771E	McDermott /Joshua Hartman	09/01/18	08/31/19	110,564	150,000	39,436
		6939536	C	P067952	AGREEMENT NO. W1771E	Vaikuntanathan /Vinod	03/01/18	02/28/21	56,011	150,000	93,989
		6939698	C	P067952	AGREEMENT NO. W1771E	Carbin /Michael James	09/01/18	08/31/19	103,385	150,000	46,615
		6939704	C	P267300	AGREEMENT NO. W1771E	Wornell /Gregory W	07/01/18	06/30/21	50,783	150,000	99,217
		6939753	C	P154500	AGREEMENT NO. W1771E	Levy /Roger P	09/01/18	08/31/20	75,433	150,000	74,567
		6939760	C	P069400	AGREEMENT NO. W1771E	Rahwan /Ilyad	05/01/18	08/30/19	151,317	150,000	(1,317)
		6939804	C	P267500	AGREEMENT NO. W1771E	Kim /Jeehwan	09/01/18	08/31/19	65,491	150,000	84,509
		6939909	C	P067952	AGREEMENT NO. W1771E	Rubinfeld /Ronitt	09/01/18	08/31/19	50,466	75,000	24,534
		6939916	C	P061096	AGREEMENT NO. W1771E	Shah /Julie A	01/01/19	12/31/19	48,780	150,000	101,220
		6939944	C	P267500	AGREEMENT NO. W1771E	Stultz /Collin M	09/01/18	08/31/19	69,704	150,000	80,296
		6939995	C	P069400	AGREEMENT NO. W1771E	Pentland /Alex Paul	09/01/18	08/31/19	0	150,000	150,000
		6940007	C	P067952	AGREEMENT NO. W1771E	Daskalakis /Konstantinos	09/01/18	08/31/19	31,538	75,000	43,462
		6940028	C	P067952	AGREEMENT NO. W1771E	Szolovits /Peter	09/01/18	08/31/19	97,579	150,000	52,421
		6940066	C	P067952	AGREEMENT NO. W1771E	Glass /James R	09/01/18	08/31/19	108,477	150,000	41,523
		6940171	C	P067952	AGREEMENT NO. W1771E	Leiserson /Charles E	09/01/18	08/31/19	68,348	150,000	81,653
		6940293	C	P067952	AGREEMENT NO. W1771E	Goldwasser /Shafrira	03/01/18	02/28/20	69,354	150,000	80,646
	Total by Primary Sponsor								7,294,955	17,267,792	7,759,848
003265 Ishikawajima-Harima Heavy Industries Company	003265 Ishikawajima-Harima Heavy Industries Company	6933517	C	P061096	AGRMT DATED JANUARY	Tan /Choon S	01/29/16	08/31/18	33,151	355,698	5
	Total by Primary Sponsor								33,151	355,698	5
003369 Janssen Pharmaceutical Company	003369 Janssen Pharmaceutical Company	6933285	C	P402000	AGREEMENT DATED 12/1	Bhatia /Sangeeta N	12/17/15	08/31/19	775,457	2,053,174	264,198
		6934752	G	P069201	PO 993690273	Lauffenburger /Douglas A	09/15/16	06/30/19	110,376	421,096	49,431
		6935289	C	P402000	AGREEMENT DATED 12/2	Chen /Jianzhu	12/01/16	05/31/19	122,157	701,137	(3,510)
	Total by Primary Sponsor								1,007,991	3,175,407	310,120
003482 Eli Lilly and Company	003482 Eli Lilly and Company	6940628	C	P062000	LILLY RESEARCH PROGR	Jensen /Klavs F	04/12/19	04/11/21	0	88,245	88,245
	Total by Primary Sponsor								0	88,245	88,245
003493 LG Electronics, Incorporated	003493 LG Electronics, Incorporated	6932443	C	P039010	AGREEMENT DATED 5/18	Ito /Joichi	05/18/15	05/31/16	0	85,000	0
		6935016	G	P065004	AGREEMENT EFF. 10/01/2	Kim /Jeehwan	07/01/16	10/31/18	81,456	360,000	43,390
	Total by Primary Sponsor								81,456	445,000	43,390
003553 Microsoft Corporation	003553 Microsoft Corporation	6938258	C	P069850	PO 98357005 / AGREEMENT	Kimerling /Lionel C	03/15/18	11/15/19	267,688	661,545	330,548
	Total by Primary Sponsor								267,688	661,545	330,548
003569 Matsushita Electric Industrial Company, Limited	003569 Matsushita Electric Industrial Company, Limited	7587800	G	P122030	CENTER FOR COORDINATION	Malone /Thomas W	10/01/91	09/30/93	0	300,000	(0)
	Total by Primary Sponsor								0	300,000	(0)
003576 Medtronic Incorporated	003576 Medtronic, Incorporated	6932145	G	P061901	PO 4300601851	Edelman /Elazer R	06/01/15	09/15/19	0	266,013	0
	Total by Primary Sponsor								0	266,013	0
003579 Merck and Co. Inc.	003579 Merck and Co. Inc.	6931999	C	P402000	LRK REF#142461	Love /John C	06/08/15	12/31/19	73,474	750,000	32,984
		6933016	C	P152000	LKR171955 / PO# 8102388	Buchwald /Stephen Leffler	07/01/15	11/12/19	103,867	526,252	34,507

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		6933172	C	P152000	LKR#149336	Buchwald /Stephen Leffler	07/01/15	11/12/19	(30)	301,063	(0)
		6933338	C	P062000	LRK144702/PO 810163863	Doyle /Patrick S	12/28/15	09/30/19	105,684	300,000	(40,509)
		6935459	C	P243021	LKR#159128/PO#81019411	Griffin /Robert Guy	12/22/16	03/21/18	0	50,000	111
	<b>Total by Primary Sponsor</b>								<b>282,995</b>	<b>1,927,314</b>	<b>27,093</b>
003595 Minnesota Mining & Manufacturing Company (3M)	003595 Minnesota Mining & Manufacturing Company (3M)	6928177	C	P061901	AGMT. DTD. 7/1/13 / PO U	Edelman /Elazer R	08/01/13	06/30/18	902	1,153,354	(0)
	<b>Total by Primary Sponsor</b>								<b>902</b>	<b>1,153,354</b>	<b>(0)</b>
003607 Mercury Marine, Incorporated	003607 Mercury Marine, Incorporated	6939367	C	P266300	SRA EFFECTIVE 08/01/20	Triantafyllou /Michael S	08/01/18	06/30/20	24,021	128,505	104,484
	<b>Total by Primary Sponsor</b>								<b>24,021</b>	<b>128,505</b>	<b>104,484</b>
003610 Mitre Corporation	003610 Mitre Corporation	6939321	C	P153000	121334	Brown /Stephen	01/01/18	09/30/18	29,999	30,000	1
		6940361	C	P267111	RESEARCH AGMT. 12650	Englund /Dirk R.	10/01/18	10/31/23	29,381	2,798,607	2,769,226
	<b>Total by Primary Sponsor</b>								<b>59,380</b>	<b>2,828,607</b>	<b>2,769,227</b>
003629 Mitsubishi Heavy Industries Limited	003629 Mitsubishi Heavy Industries Limited	6922947	C	P061094	AGMT. DTD. 10/15/10 & 9/	Spakovszky /Zoltan S	09/01/10	08/31/18	21,610	1,405,026	(169)
		6927876	C	P061094	AGMT. DTD. 10/15/10	Spakovszky /Zoltan S	04/01/13	08/31/18	186	87,389	0
		6933814	C	P061094	SRA EFFECTIVE 3/29/16	Spakovszky /Zoltan S	11/01/15	08/31/18	38,359	566,515	0
		6937627	C	P061094	AGMT DATED SEPTEMBER	Spakovszky /Zoltan S	09/01/17	08/31/19	338,141	589,920	59,982
		6939154	C	P068000	AGREEMENT DATED 8/24	Baglietto /Emilio	08/24/18	10/31/19	52,341	180,000	127,659
		6939331	C	P062000	SRA DTD 4/15/2018	Bazant /Martin Z	04/15/18	02/28/19	114,081	115,000	919
		6940058	C	P061094	SRA DTD, 09/01/2018	Spakovszky /Zoltan S	09/01/18	08/31/21	329,241	1,187,706	858,465
		6940404	C	P062000	AGREEMENT DTD 4/1/19	Green /William H	04/01/19	05/31/20	32,065	175,265	143,200
	<b>Total by Primary Sponsor</b>								<b>926,025</b>	<b>4,306,821</b>	<b>1,190,056</b>
003669 Mitsubishi Materials Corporation	003669 Mitsubishi Materials Corporation	6931410	C	P069850	AGRMNT EFFECTIVE 4/1/15	Schuh /Christopher A	04/01/15	11/15/18	0	144,000	(3,617)
		6940201	C	P417500	AGMT. DTD. 01/01/2019	Tasan /Cemal	03/15/19	03/14/20	8,133	80,495	72,362
	<b>Total by Primary Sponsor</b>								<b>8,133</b>	<b>224,495</b>	<b>68,745</b>
003705 DO NOT USE Multi Group Sponsor	003705 DO NOT USE Multi Group Sponsor	6031600	C	P320000	RESEARCH AGREEMENT	Heywood /John B	06/01/93	03/31/94	0	16,700	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>16,700</b>	<b>0</b>
003710 DO NOT USE Multi Sponsored Projects-Industrial	003710 DO NOT USE Multi Sponsored Projects-Industrial	6344200	C	P069501	MASTER AGREEMENT	Graves /Stephen C	05/01/95	06/30/97	0	48,509	0
		6344300	C	P069501	MASTER AGREEMENT	Magnanti /Thomas L	05/15/95	12/31/99	0	78,705	0
		6344400	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	05/01/95	04/30/98	0	143,012	0
		6344500	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	05/01/95	04/30/98	0	33,892	0
		6344600	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	05/01/95	04/30/98	0	33,729	(0)
		6344700	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	05/01/95	04/30/98	0	3,996	0
		6344800	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	09/01/95	12/31/00	0	63,462	0
		6344900	C	P069501	MASTER AGREEMENT	Fine /Charles H	02/01/96	12/31/04	0	120,718	(0)
		6345000	C	P069501	MASTER AGREEMENT	Jap /Sandy D	02/01/96	05/31/97	0	23,181	0
		6345100	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	02/01/96	04/30/98	0	17,928	(0)
		6345200	C	P069501	MASTER AGREEMENT	Rosenfield /Donald Barry	05/01/96	02/28/98	0	46,368	(0)
		6345300	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	12/01/96	07/31/98	0	14,207	0
		7295700	C	P063000		Williams /John R	09/01/89	11/30/03	0	317,513	0
		7295800	C	P063000		SRIRAM /DUVVURU	09/01/89	07/31/00	0	527,802	0

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		7295900	C	P063000	PRIOR MEMBERSHIP	Williams /John R	09/01/89	11/30/00	0	433,795	0
		7296000	C	P063000	PRIOR MEMBERSHIP	Williams /John R	09/01/89	03/31/06	0	391,122	0
		7423800	C	P063000		Pentland /Alex Paul	07/01/90	12/31/96	0	157,128	367
		7588400	C	P063000	PRIOR MEMBERSHIP	Logcher /Robert D	09/01/91	11/30/03	0	231,156	0
		7804000	C	P122030	GIFT	Malone /Thomas W	01/01/93	04/14/11	0	1,367,728	0
		9758500	G	P069400	CONSORTIUM AGREEMENT	Clark /Joel P	01/01/86	12/31/92	0	454,421	(0)
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>4,508,372</b>	<b>367</b>
003716 McGraw-Hill Companies	003716 McGraw-Hill Co	6935741	G	P069400	AGMT DTD. 10/27/16	Larson /Richard Charles	10/01/16	06/30/18	0	50,000	(0)
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>50,000</b>	<b>(0)</b>
003754 Mars, Incorporated	003754 Mars, Incorporated	6936200	G	P093800	AGREEMENT EFFECTIVE	Casalegno /Federico	04/01/17	08/31/18	27,033	349,937	4,503
	<b>Total by Primary Sponsor</b>								<b>27,033</b>	<b>349,937</b>	<b>4,503</b>
003791 NEC Corporation (Japan)	003791 NEC Corporation (Japan)	6938211	C	P122030	AGMT. DTD. 3/1/18	Klein /Mark	04/01/18	09/30/18	4,572	8,000	(0)
		6939900	G	P122030		Klein /Mark	11/01/18	08/30/19	9,009	9,000	(9)
	<b>Total by Primary Sponsor</b>								<b>13,581</b>	<b>17,000</b>	<b>(9)</b>
003822 Nihon Kohden Corporation	003822 Nihon Kohden Corporation	6930744	C	P060600	AGRMT DATED 9/1/14	Sodini /Charles G	09/01/14	08/31/19	0	5,000	4,956
		6930826	C	P060600	AGRMT DATED 9/1/14	Sodini /Charles G	09/01/14	08/31/19	0	16,000	(1,744)
		6930827	C	P268001	AGRMT DATED 9/1/14	Verghese /George C	09/01/14	08/31/19	(17,485)	135,000	0
		6930828	C	P061901	AGRMT DATED 9/1/14	Heldt /Thomas	09/01/14	08/31/19	45,081	603,605	2,101
		6930829	C	P061901	AGRMT DATED 9/1/14	Heldt /Thomas	09/01/14	08/31/19	49,688	475,144	300
		6938123	C	P061901	AGMT EFF 1/1/18	Heldt /Thomas	01/01/18	12/31/19	281,290	400,000	35,463
	<b>Total by Primary Sponsor</b>								<b>358,574</b>	<b>1,634,749</b>	<b>41,076</b>
003824 Denso Corporation	003824 Denso Corporation	6936165	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	11/01/16	02/28/19	221,806	406,200	0
		6940605	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	03/01/19	02/28/21	183,001	0	(183,001)
	<b>Total by Primary Sponsor</b>								<b>404,807</b>	<b>406,200</b>	<b>(183,001)</b>
003830 Nippon Telegraph & Telephone	003830 Nippon Telegraph & Telephone	6718800	C	P067950	AGMT DTD 6/21/98	Brooks /Rodney Allen	07/01/98	06/30/04	0	2,674,412	(1,817)
		6718900	C	P068600	AGMT DTD 6/21/98	Zue /Victor Waito	07/01/98	06/30/02	0	27,748	0
		6734300	C	P067950	AGMT DTD 6/21/98	Brooks /Rodney Allen	08/01/98	06/30/04	0	701,952	0
		6734400	C	P067950	AGMT DTD 6/21/98	Zue /Victor Waito	08/01/98	06/30/04	0	1,098,048	(0)
		6762500	C	P067952	AGMT DTD 6/21/98	Balakrishnan /Hari	07/01/98	06/30/04	0	949,911	0
		6762600	C	P068600	AGMT DTD 6/21/98	Liskov /Barbara H	07/01/98	06/30/01	0	450,000	(0)
		6762700	C	P067952	AGMT DTD 6/21/98	Goldwasser /Shafira	07/01/98	06/30/03	0	720,000	0
		6762800	C	P068500	AGMT DTD 6/21/98	Viola /Paul A	07/01/98	06/30/02	0	399,999	(0)
		6762900	C	P068600	AGMT DTD 6/21/98	Glass /James R	07/01/98	06/30/02	0	299,993	0
		6763000	C	P067952	AGMT DTD 6/21/98	Grimson /William E	07/01/98	06/30/04	0	599,998	0
		6773100	C	P068600	AGMT DTD 6/21/98	Dorsey /Julie	07/01/98	06/30/02	0	300,000	0
		6802900	C	P068500	AGMT DTD 6/21/98	Brooks /Rodney Allen	01/01/99	06/30/99	0	25,572	0
		6848700	C	P068500	AGMT DTD 6/21/98	Knight /Thomas F	07/01/99	06/30/02	0	249,997	0
		6848800	C	P067952	AGMT DTD 6/21/98	Lynch /Nancy Ann	07/01/99	06/30/04	0	665,012	0
		6848900	C	P068600	AGMT DTD 6/21/98	McMillan /Leonard	07/01/99	06/30/02	0	400,000	0
		6849000	C	P067952	AGMT DTD 6/21/98	Teller /Seth	07/01/99	06/30/04	0	469,938	(0)

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6849100	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	07/01/99	06/30/04	0	463,665	0
		6849200	C	P067952	AGMT DTD 6/21/98	Poggio /Tomaso A	07/01/99	06/30/04	0	430,000	(0)
		6849300	C	P068600	AGMT DTD 6/21/98	Devadas /Srinivas	07/01/98	06/30/02	0	247,211	0
		6849400	C	P067952	AGMT DTD 6/21/98	Mithal /Arvind	07/01/99	06/30/04	0	550,000	0
		6849500	C	P067952	AGMT DTD 6/21/98	Karger /David R	07/01/99	06/30/04	0	495,000	0
		6849600	C	P067952	AGMT DTD 6/21/98	Kaelbling /Leslie P	07/01/99	06/30/03	0	200,000	(0)
		6890070	C	P067952	AGMT DTD 6/29/98	Brooks /Rodney Allen	10/01/99	06/30/03	0	60,000	0
		6890578	C	P067952	AGMT DTD 6/21/98	Jaakkola /Tommi S	07/01/00	06/30/03	0	329,963	0
		6890579	C	P067952	AGMT DTD 6/21/98	Morris /Robert Tappan	07/01/00	06/30/04	0	800,000	(0)
		6890580	C	P067952	AGMT DTD 6/21/98	Darrell /Trevor J	07/01/00	06/30/04	0	680,000	(0)
		6890581	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	07/01/00	06/30/04	0	270,001	0
		6890586	C	P067952	AGMT DTD 6/21/98	Guttag /John V	07/01/00	12/31/03	0	300,000	0
		6890893	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	07/01/99	06/30/04	0	60,192	0
		6890894	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	07/01/99	06/30/04	0	58,569	0
		6891480	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	10/01/00	06/30/04	0	34,384	0
		6892335	C	P067952	AGMT DTD 6/21/98	Glass /James R	07/01/01	06/30/04	0	999,998	(0)
		6892336	C	P067952	AGMT DTD 6/21/98	Ernst /Michael D	07/01/01	06/30/04	0	200,000	(0)
		6892337	C	P067952	AGMT DTD 6/21/98	Sudan /Madhu	07/01/01	06/30/04	0	199,537	0
		6892772	C	P067952	AGMT DTD 6/21/98	Demaine /Erik D	10/01/01	06/30/04	0	199,999	0
		6892773	C	P067952	AGMT DTD 6/21/98	Freeman /William T	10/01/01	06/30/04	0	333,344	(0)
		6892774	C	P067952	AGMT DTD 6/21/98	Popovic /Jovan	10/01/01	06/30/04	0	188,043	0
		6892781	C	P067952	AGMT DTD 6/21/98	Indyk /Piotr	10/01/01	06/30/04	0	199,998	0
		6893144	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	03/01/02	06/30/04	0	4,872	0
		6893318	C	P067952	LETTER DTD 4/30/02	Brooks /Rodney Allen	04/01/02	06/30/04	0	13,648	0
		6893719	C	P067952	AGMT DTD 6/21/98	Durand /Frederic	07/01/02	06/30/04	0	116,730	0
		6893743	C	P067952	AGMT DTD 6/21/98	Liskov /Barbara H	07/01/02	06/30/04	0	100,000	0
		6893756	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	07/01/02	06/30/04	0	120,000	0
		6893987	C	P067952	AGMT DTD 6/21/98	Miller /Robert C	07/01/02	06/30/04	0	87,596	0
		6894155	C	P067952	LETTER DTD 4/30/02	Collins /Michael	07/01/02	06/30/04	0	59,997	2,070
		6894244	C	P067952	EMAIL DTD. 10/31/02	Katabi /Dina	07/01/02	06/30/04	0	60,007	0
		6894926	C	P067952	AGMT DTD 6/21/98	Brooks /Rodney Allen	05/22/03	06/30/04	0	104,670	0
		6896042	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	07/01/03	12/31/06	0	250,000	0
		6896043	C	P067952	AGMT DTD 6/21/98	Collins /Michael	07/01/03	06/30/05	0	114,961	(0)
		6896044	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	07/01/03	06/30/05	0	149,993	0
		6899122	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/06	12/31/06	0	105,181	(0)
		6899123	C	P067952	AGMT DTD 6/21/98	Collins /Michael	01/01/06	12/31/06	0	91,151	(0)
		6899124	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/06	12/31/06	0	96,292	(0)
		6915068	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	01/01/07	12/31/07	0	90,000	917
		6915069	C	P067952	AGMT DTD 6/21/98	Collins /Michael	01/01/07	12/31/07	0	47,075	(0)
		6915070	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/07	12/31/07	0	73,708	0
		6915071	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/07	12/31/07	0	81,819	(0)
		6917191	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/08	12/31/08	0	78,300	(0)
		6917529	C	P067952	AGMT DTD 3/26/08	Collins /Michael	01/01/08	12/31/08	0	41,600	(0)
		6917547	C	P067952	AGMT DTD 3/26/08	Adelson /Edward H	01/01/08	12/31/08	0	65,000	(0)
		6917750	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	01/01/08	12/31/08	0	90,000	1,116
		6919189	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	01/01/09	12/31/09	0	90,000	(0)
		6919434	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/09	12/31/09	0	78,039	(0)
		6919773	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/09	12/31/09	0	40,000	0
		6919774	C	P067952	AGMT DTD 6/21/98	Collins /Michael	01/01/09	12/31/09	0	45,000	(0)

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		6921156	C	P067952	AGMT DATED 06/21/98	Glass /James R	01/01/10	12/31/10	0	50,000	(0)
		6921199	C	P067952	AGMT DATED 06/21/98	Collins /Michael	01/01/10	12/31/10	0	41,000	(0)
		6921490	C	P067952	AGMT DATED 06/21/98	Adelson /Edward H	01/01/10	12/31/10	0	20,000	(0)
		6921581	C	P067952	AGMT DTD 6/21/98	Tenenbaum /Joshua B	01/01/10	12/31/10	0	90,000	(0)
		6923276	C	P067952	AGMT DATED 06/21/98	Glass /James R	01/01/11	12/31/11	0	50,000	0
		6923277	C	P067952	AGMT DATED 06/21/98	Adelson /Edward H	01/01/11	12/31/11	0	20,000	(0)
		6925361	C	P067952	AGMT DATED 06/21/98	Adelson /Edward H	01/01/12	12/31/12	0	18,675	0
		6927168	C	P067952	AGMT. DTD. 2/20/13	Glass /James R	01/01/13	12/31/13	0	50,000	(0)
		6927219	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/13	12/31/13	0	20,000	0
		6929339	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/14	12/31/14	0	20,000	(0)
		6929342	C	P067952	AGMT. DTD. 2/27/14	Glass /James R	01/01/14	12/31/14	0	48,000	(0)
		6931682	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/15	12/31/15	0	20,000	(0)
		6931809	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/15	12/31/15	0	42,000	(0)
		6934183	C	P067952		Adelson /Edward H	01/01/16	12/31/16	0	20,000	(0)
		6934732	C	P067952	AGMT DTD 08/31/2016	Glass /James R	09/01/16	12/31/16	0	41,944	0
		6936124	C	P067952	AGMT DTD 6/21/98	Glass /James R	05/01/17	12/31/17	0	41,742	0
		6936125	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	01/01/17	12/31/17	0	20,000	0
		6938781	C	P067952	AGMT DTD 6/21/98	Glass /James R	06/15/18	12/31/18	66,294	65,000	(1,294)
		6939935	C	P067952	AGMT DTD 6/21/98	Adelson /Edward H	06/15/18	12/31/18	20,000	20,000	0
		6940368	C	P067952	AGMT DTD 6/21/98	Glass /James R	01/01/19	12/31/19	4,079	65,258	61,179
Total by Primary Sponsor									90,372	20,391,738	62,171
003834 Nissan Motor Co., Ltd.	003834 Nissan Motor Co., Ltd.	6938152	C	P061093	AGMT DTD 2/1/18	Leveson /Nancy G	02/01/18	09/30/18	24,780	64,999	(0)
		6940020	G	P065004	SRA DTD. 12/11/2018	Fang /Xuanlai	12/21/18	03/31/19	52,604	70,000	17,396
	Total by Primary Sponsor									77,384	134,999
003847 Nokia Inc.	003847 Nokia Inc.	6928051	C	P039010	AGREEMENT DATED 6/27	Raskar /Ramesh	07/01/13	06/30/14	0	100,000	(0)
		Total by Primary Sponsor									0
003870 North American Philips Corporation - Philips L	003870 North American Philips Corporation - Philips L	6932607	G	P061904	PO 4520169503 - EFF 5/19	Szolovits /Peter	07/01/15	12/31/20	0	0	(129,959)
		6932612	C	P030001	AGREEMENT DATED 5/19	Berger /Alan M	07/01/15	06/30/20	0	839,053	833,787
		6932613	C	P030001	AGREEMENT DATED 5/19	Berger /Alan M	07/01/15	08/31/16	0	290,442	0
		6932695	C	P122020	AGREEMENT DATED 5/19	Welsch /Roy E	07/01/15	01/31/17	0	379,997	0
		6932698	C	P030001	AGREEMENT DATED 5/19	Ratti /Carlo	07/02/15	04/30/18	(7,883)	600,000	(0)
		6932722	G	P061901	EFF 5/19/15 - MASTER RESEARCH	Heldt /Thomas	09/01/15	12/31/18	28,800	28,080	(19,385)
		6932723	G	P060600	EFF 5/19/15 - MASTER RESEARCH	Sodini /Charles G	09/01/15	12/31/18	3,409	13,000	186
		6932724	G	P061901	EFF 5/19/15 - MASTER RESEARCH	Heldt /Thomas	09/01/15	12/31/18	7,619	320,037	(17,132)
		6932725	G	P061901	EFF 5/19/15 - MASTER RESEARCH	Heldt /Thomas	09/01/15	12/31/18	55,282	214,000	30,994
		6932821	G	P067952	EXH B-4: PO 45020209680	O'Reilly /Una-May	09/01/15	08/31/18	93,542	686,557	(8,084)
		6932822	G	P061901	EFF 5/19/15 - MASTER RE	Mark /Roger G	07/02/15	12/31/20	350,418	1,132,176	781,758
		6932824	G	P067952	EXH B-3: PO 4520209864	Szolovits /Peter	07/01/15	06/30/19	298,346	780,660	(35,151)
		6932825	G	P067952	EFF 5/19/15 - MASTER RE	Szolovits /Peter	07/01/15	06/30/19	0	110,572	48,505
		6932826	G	P067952	EFF 5/19/15 - MASTER RE	Szolovits /Peter	07/01/15	06/30/19	13,494	108,768	2,657

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		6933280	G	P060600	EFF 5/19/15 - MASTER RESEARCH	Lee /Hae-Seung	09/01/15	12/31/18	39,348	162,441	(0)
		6933281	G	P060600	EFF 5/19/15 - MASTER RESEARCH	Sodini /Charles G	09/01/15	12/31/18	15,880	162,441	445
		6933371	G	P061901	EXH B-2: PO4520209865	Anthony /Brian	09/01/15	08/31/18	105,834	1,188,000	(43,867)
		6933542	C	P067952	AGREEMENT DATED 2/3/16	Madden /Samuel R	02/01/16	06/30/16	0	89,994	0
		6933575	C	P063007	AGREEMENT DATED 2/3/16	Gonzalez /Marta C.	02/01/16	10/31/18	10,846	100,000	0
		6933967	G	P068700	EFF 5/19/15 - MASTER RE	Veeramachaneni /Kalyan	04/01/16	08/31/17	0	13,443	(0)
		6934287	G	P061901	EXHIBIT B-6 AGMT SIGNED 6/22/16	Mark /Roger G	01/01/16	12/31/18	182,518	618,563	(48,235)
		6935032	C	P030001	AGREEMENT DATED 09/01/16	Larson /Kent	09/01/16	08/31/17	0	167,746	0
		6935059	C	P035000	AGREEMENT DATED 9/1/16	Williams /Sarah E	07/01/15	08/31/17	0	90,000	(0)
		6935064	C	P063007	AGREEMENT DATED AGR	Gonzalez /Marta C.	09/01/16	10/31/18	91,168	147,733	27
		6935265	C	P067952	AGREEMENT DATED 9/1/16	Madden /Samuel R	09/01/16	09/01/17	0	149,999	0
		6935615	C	P121110	PHILIPS GRAND CHALLENGE	Siegel /Michael D	02/01/17	09/30/17	0	98,210	0
		6935616	C	P122030	AGREEMENT DATED 5/19/15	Malone /Thomas W	02/01/17	09/30/19	25,944	236,325	(0)
		6935657	G	P060600	EFF 5/19/15 - MASTER RE	Sodini /Charles G	09/01/15	08/31/18	2,559	12,000	718
		6936690	G	P061901	EXH B-11: PO4520204043	Mark /Roger G	07/01/16	06/30/19	56,228	434,906	22,577
		6936694	G	P061901	4520169503	Sontag /David Alexander	07/01/16	12/31/17	0	122,000	0
		6937486	C	P067952	AGREEMENT DATED 5/19/16	Madden /Samuel R	09/01/17	12/30/18	26,291	150,000	210
		6937487	C	P031000	AGREEMENT DATED 5/19/16	Reinhart /Christoph	09/01/17	08/31/18	9,027	125,000	(25,973)
		6937488	C	P067952	AGREEMENT DATED 5/19/16	Jaakkola /Tommi S	11/01/17	10/31/18	17,884	153,000	23,691
		6937489	C	P121175	AGREEMENT DATED 5/19/15	Westerman /George F	09/01/17	12/31/18	(107,423)	170,017	0
		6937490	C	P093800	AGREEMENT DATED 5/19/16	Casalegno /Federico	02/01/17	08/31/18	42,973	163,000	0
		6938741	C	P414000	AGREEMENT DATED 5/9/16	Coelho /Marcelo Henrique	05/01/18	12/31/19	140,232	150,000	9,768
		6938841	G	P061901	PO 4520217708	Celi /Leo Anthony G.	07/01/17	06/30/19	157,579	207,662	50,083
		6940055	G	P061904	PO 4520169503 - EFF 5/19/16	Heldt /Thomas	06/01/18	05/31/20	101,630	369,924	268,294
		6940115	C	P122030	AGREEMENT DATED 5/19/16	Malone /Thomas W	10/01/18	09/30/19	219,008	313,675	94,667
		6940116	C	P067952	AGREEMENT DATED 5/19/16	Fisher /John W	07/01/15	09/01/19	249,597	300,000	50,403
		6940123	C	P067900	AGREEMENT DATED 5/19/16	Glass /James R	09/01/18	08/31/19	268,779	300,000	31,221
		6940124	C	P067952	AGREEMENT DATED 5/19/16	Madden /Samuel R	07/01/15	06/30/19	178,466	300,000	121,534
		6940274	G	P061901	PO 4520169503 - EFF 5/19/16	Edelman /Elazer R	01/01/19	12/31/19	63,630	149,777	86,147
		6940685	C	P030001	AGREEMENT DATED 5/19/16	Berger /Alan M	04/01/19	12/31/19	0	100,000	100,000
		<b>Total by Primary Sponsor</b>							<b>2,741,025</b>	<b>12,249,198</b>	<b>2,229,886</b>
003879 Northrop Grumman Integrated Systems Eastern Region	003879 Northrop Grumman Integrated Systems Eastern Region	6920762	C	P067950	AGMT. DTD. 9/1/09	Rus /Daniela L	09/01/09	08/31/19	19,083	344,137	5,316
		6920764	C	P067952	AGMT. DTD. 9/1/09	Jackson /Daniel	09/01/09	08/31/11	0	433,683	(0)
		6920765	C	P067952	AGMT. DTD. 9/1/09	Knight /Thomas F	09/01/09	08/31/10	0	149,025	0
		6920811	C	P067952	AGMT. DTD. 9/1/09	Liskov /Barbara H	09/01/09	03/31/13	0	562,364	(0)
		6923200	C	P067952	AGMT. DTD. 9/1/09	Devadas /Srinivas	09/01/10	08/31/11	0	180,801	(0)
		6923201	C	P067952	AGMT. DTD. 9/1/09	Zeldovich /Nickolai	09/01/10	08/31/11	0	189,719	0
		6924958	C	P067952	AGMT. DTD. 9/1/09	Devadas /Srinivas	09/01/11	08/31/13	0	199,791	(0)
		6924959	C	P067952	AGMT. DTD. 9/1/09	Jackson /Daniel	09/01/11	08/31/12	0	199,295	0
		6924960	C	P067952	AGMT. DTD. 9/1/09	Jaffe /Jeffrey	09/01/11	08/31/16	0	1,046,962	0
		6929037	C	P067952	AGMT. DTD. 9/1/09	Vaikuntanathan /Vinod	09/01/13	08/31/14	0	158,464	0
		6931065	C	P067952	AGMT. DTD. 9/1/09	Clark /David D	09/01/14	08/31/15	0	75,000	0
		<b>Total by Primary Sponsor</b>							<b>19,083</b>	<b>3,539,243</b>	<b>5,316</b>

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**Massachusetts Institute of Technology**  
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**Fiscal Year 2019**

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
003903 Quest Diagnostics, Inc.	003903 Quest Diagnost	6938447	C	P121012	AGMT. DTD. 04/16/2018	Bertsimas /Dimitris J	04/16/18	04/15/20	159,692	400,000	240,308
	<b>Total by Primary Sponsor</b>								<b>159,692</b>	<b>400,000</b>	<b>240,308</b>
003904 BAE Systems Info & Electronic Systems Integration, Inc	003904 BAE Systems Info & Electronic Systems Integration, Inc	6938773	C	P061097	SUBCONTRACT 991829	Cahoy /Kerri	07/01/18	06/30/19	333,951	303,336	(30,615)
		6938779	C	P065004	SUBCONTRACT 992513	Hart /Anastasios John	07/01/18	06/30/20	230,232	550,000	319,768
		6938826	C	P061093	SUBCONTRACT 996610	Hansman /Robert J	07/01/18	12/31/19	6,263	199,673	193,410
	<b>Total by Primary Sponsor</b>								<b>570,446</b>	<b>1,053,008</b>	<b>482,563</b>
003920 Exxon Mobil Research and Engineering Corporation	003920 Exxon Mobil Research and Engineering Corporation	6930982	C	P320000	EXXON-MOBIL MEMBER A	Armstrong /Robert C	10/01/14	06/01/20	0	300,272	75,272
		6931017	C	P320000	EXXON-MOBIL MEMBER A	Armstrong /Robert C	10/01/14	12/31/17	0	375	375
		6931962	C	P320000	EXXON-MOBIL MEMBER A	Ballinger /Ronald G	06/15/15	06/14/16	0	43,974	0
		6931963	C	P320000	EXXON-MOBIL MEMBER A	Ballinger /Ronald G	06/15/15	06/14/16	0	149,210	(0)
		6931964	C	P320000	EXXON-MOBIL MEMBER A	Ballinger /Ronald G	06/15/15	06/14/16	0	30,254	(0)
		6932441	C	P320000	EXXON-MOBIL MEMBER A	Anand /Lallit	08/01/15	09/30/20	170,313	786,379	114,642
		6932475	C	P320000	EXXON-MOBIL MEMBER A	Grossman /Jeffrey C.	08/01/15	07/31/16	0	106,224	0
		6932476	C	P320000	EXXON-MOBIL MEMBER A	Grossman /Jeffrey C.	08/01/15	07/31/16	0	80,000	(0)
		6932477	C	P320000	EXXON-MOBIL MEMBER A	Grossman /Jeffrey C.	08/01/15	07/31/16	0	113,777	(0)
		6932584	C	P320000	EXXON-MOBIL MEMBER A	Varanasi /Kripa	09/01/15	08/31/19	49,797	453,215	66
		6932622	C	P320000	EXXON-MOBIL MEMBER A	Jensen /Klavs F	09/01/15	10/31/17	0	200,000	(0)
		6932623	C	P320000	EM09079.TO09	Braatz /Richard D	09/01/15	03/31/18	0	199,819	0
		6932628	C	P320000	EXXON-MOBIL MEMBER A	Ono /Shuhei	09/01/15	11/30/18	5,212	681,940	10
		6932671	C	P320000	EXXON-MOBIL MEMBER A	Li /Ju	08/01/15	09/30/20	108,634	560,000	71,416
		6932920	C	P320000	EXXON-MOBIL MEMBER A	Holten-Andersen /Niels	10/01/15	05/31/19	78,677	200,000	1,730
		6932931	C	P320000	EXXON-MOBIL MEMBER A	Wierzbicki /Tomasz	10/01/15	09/30/17	0	199,807	(0)
		6933096	C	P320000	EXXON-MOBIL MEMBER A	McKinley /Gareth H	09/01/15	08/31/19	73,010	495,972	(10,631)
		6933120	C	P320000	EXXON-MOBIL MEMBER AGMNT 10/1/14	Herzog /Howard J	10/01/15	12/31/18	78,772	570,138	(1)
		6933121	C	P320000	EXXON-MOBIL MEMBER AGMNT 10/1/14	Paltsev /Sergey	10/01/15	12/31/18	49,484	629,849	12
		6933124	C	P320000	EXXON-MOBIL MEMBER A	Roman /Yuriy	11/15/15	11/14/18	97,782	623,840	(13,244)
		6933236	C	P320000	EXXON-MOBIL MEMBER A	Dinca /Mircea	11/15/15	11/14/18	(15,450)	565,531	(0)
		6933330	C	P320000	EXXON-MOBIL MEMBER A	Summons /Roger E	12/01/15	11/30/17	0	213,731	(0)
		6933399	C	P320000	EXXON-MOBIL MEMBER A	Williams /Brian C	01/01/16	12/31/19	537,961	1,200,000	117,495
		6933579	C	P320000	EXXON-MOBIL MEMBER A	Roman /Yuriy	11/15/15	08/31/16	0	6,115	0
		6934055	C	P320000	EXXON-MOBIL MEMBER A	Green /William H	04/01/16	08/31/17	0	245,854	0
		6934384	C	P320000	EXXON-MOBIL MEMBER A	Wierzbicki /Tomasz	06/01/16	11/30/17	4,606	75,000	1,213
		6934439	C	P320000	EXXON-MOBIL MEMBER A	Hager /Bradford H	07/14/16	04/30/17	(0)	125,000	(0)
		6934443	C	P320000	EXXON-MOBIL MEMBER A	Green /William H	04/01/16	03/31/17	0	14,529	0
		6935222	C	P320000	EXXON-MOBIL MEMBER A	Grossman /Jeffrey C.	09/01/16	08/31/19	293,585	858,860	844
		6935223	C	P320000	EXXON-MOBIL MEMBER A	Leeb /Steven B	08/01/16	06/01/20	270,958	910,822	229,078
		6935300	C	P320000	EXXON-MOBIL MEMBER A	Surendranath /Yogesh	09/01/16	05/31/17	0	60,000	0
		6935531	C	P320000	EXXON-MOBIL MEMBER A	Leeb /Steven B	08/01/16	07/31/18	3,428	60,000	0
		6935565	C	P320000	EXXON-MOBIL MEMBER A	Ono /Shuhei	01/01/17	11/30/18	460	56,510	0
		6935637	C	P320000	EM09079.TO20	Fang /Xuanlai	09/01/16	08/31/19	75,159	396,385	79,284
		6936087	C	P062000	EXXON-MOBIL MEMBER A	Green /William H	06/01/17	06/01/20	159,900	385,000	120,295
		6936156	C	P320000	EM09079.TO22	O'Sullivan /Francis Martin	02/01/17	01/31/20	384,120	1,087,663	376,021
		6936238	C	P320000	EM09079.TO21	Forsberg /Charles W	01/01/17	12/31/18	2,736	360,000	(1,620)
		6936424	C	P320103	EXXON-MOBIL MEMBER A	Juanes /Ruben	03/01/17	02/29/20	248,616	831,827	316,101

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		6936590	C	P320000	EXXON-MOBIL MEMBER A	Hager /Bradford H	03/15/17	03/14/20	478,140	1,400,706	261,323
		6936943	C	P320103	EXXON-MOBIL MEMBER A	Hatton /Trevor Alan	06/01/17	05/31/20	525,348	795,940	(135,604)
		6937221	C	P320000	EXXON-MOBIL MEMBER A	Surendranath /Yogesh	09/01/17	08/31/20	419,984	761,673	14,313
		6937238	C	P062000	EXXON-MOBIL MEMBER A	Green /William H	09/01/17	08/31/18	26,473	125,000	(0)
		6937692	C	P320000	EM09079.TO27	Ono /Shuhei	12/01/17	04/30/19	129,225	226,475	1,791
		6937900	C	P320000	EM09079.TO28	Tasan /Cemal	11/13/17	09/30/18	10,269	19,282	(0)
		6938304	C	P320000	EXXON-MOBIL MEMBER A	Botterud /Audun	03/01/18	09/30/19	132,531	392,754	255,360
		6938547	C	P320000	EXXON-MOBIL MEMBER A	Botterud /Audun	03/01/18	09/30/19	106,427	302,759	196,332
		6939222	C	P320000	EM09079.TO32	Demagnet /Laurent	09/01/18	08/31/20	108,596	189,567	80,971
		6940033	C	P320000	EXXON-MOBIL MEMBER A	Roman /Yuriy	11/01/18	10/31/19	58,120	150,000	91,880
		6940337	C	P320000	RPO #TO35	Goulthorpe /Mark	12/01/18	05/31/20	39,923	300,000	260,077
		6940401	C	P320000	EXXON-MOBIL MEMBER A	Smith /Zachary P	01/01/19	12/31/20	21,596	300,000	278,404
		6940424	C	P320000	EXXON-MOBIL MEMBER A	Shao-Horn /Yang	01/01/19	12/31/19	63,900	200,000	136,100
		6940565	C	P320000	EXXON-MOBIL MEMBER A	Kirchain /Randolph E	01/01/19	12/31/19	64,617	200,000	135,383
		6940637	C	P320000	EXXON-MOBIL MEMBER A	Paltsev /Sergey	01/01/19	12/31/20	56,969	379,858	322,888
		6940690	C	P320000	EXXON-MOBIL MEMBER A	Sarma /Sanjay E	03/01/19	06/30/20	0	200,000	200,000
		6940955	C	P320000	EXXON-MOBIL MEMBER A	Magee /Christopher L	02/01/19	09/30/20	368	97,748	97,380
		<b>Total by Primary Sponsor</b>							<b>4,920,247</b>	<b>19,919,633</b>	<b>3,674,960</b>
003964 Accenture LLP	003964 Accenture, LLP	6926863	C	P121152	PO#4501751689	Simchi-Levi /David	09/01/12	08/31/20	0	272,256	272,256
		6927718	C	P121012	AGREEMENT DATED 9/1/1	Zaman /Tauhid R	02/01/13	05/31/14	0	70,724	(0)
		6927719	C	P063007	AGMT DTD 9/1/12-ATTACH	Amin /Saurabh	02/01/13	10/31/14	0	99,986	(0)
		6927720	C	P063007	AGMT DTD 9/1/12-ATTACH	Simchi-Levi /David	12/01/12	01/15/14	0	96,823	(0)
		6927756	C	P121152	AGREEMENT DATED 9/1/1	Simchi-Levi /David	09/01/12	08/31/20	95,128	560,000	60,345
		6928026	C	P063007	AGREEMENT DATED 9/1/1	Gonzalez /Marta C.	01/04/13	01/31/15	0	100,730	(0)
		6928271	C	P063007	AGREEMENT DATED 9/1/1	Simchi-Levi /David	07/01/13	06/30/16	0	448,409	(0)
		6928401	C	P121012	AGREEMENT DATED 9/1/1	Rudin /Cynthia	06/15/13	09/30/14	0	100,000	0
		6928402	C	P121012	AGREEMENT DATED 9/1/1	Bertsimas /Dimitris J	02/01/13	05/31/15	0	100,000	0
		6928584	C	P063007	AGREEMENT DATED 9/1/1	Williams /John R	06/01/13	05/31/15	0	198,785	0
		6928816	C	P121012	AGREEMENT DATED 9/1/1	Farias /Vivek F.	03/15/13	09/15/14	0	59,891	0
		6928853	C	P121012	AGREEMENT DATED 9/1/1	Perakis /Georgia	09/01/13	02/28/15	0	100,000	(0)
		6928885	C	P320000	MRA 9/1/2012; RPP 9/1/20	O'Sullivan /Francis Martin	09/01/13	05/31/15	0	149,985	0
		6929110	C	P063007	AGREEMENT DATED 9/1/1	Simchi-Levi /David	11/01/13	08/31/14	0	30,198	(0)
		6929117	C	P063007	AGREEMENT DATED 9/1/1	Osorio Pizano /Carolina	09/01/13	08/31/14	0	125,092	0
		6931033	C	P063007	AGREEMENT DATED 9/1/1	Simchi-Levi /David	09/01/14	05/31/16	0	187,348	0
		6931034	C	P063007	AGREEMENT DATED 9/1/1	Simchi-Levi /David	09/01/14	05/31/16	0	153,901	0
		6931045	C	P121012	AGREEMENT DATED 9/1/1	Bertsimas /Dimitris J	09/01/14	05/31/16	0	200,000	0
		6931112	C	P063007	AGREEMENT DATED 9/1/1	Simchi-Levi /David	09/01/12	08/31/17	0	158,115	0
		6932431	C	P121012	AGREEMENT DATED 7/21	Perakis /Georgia	09/01/15	06/30/17	0	125,000	0
		6932450	C	P122070	AGREEMENT DATED 08/0	Chen /Hui	05/01/15	12/31/17	0	275,000	0
		6932520	C	P121012	AGREEMENT DATED 9/1/1	Rudin /Cynthia	03/20/15	03/31/16	0	100,000	0
		6932734	C	P063007	AGREEMENT DATED 9/1/1	Simchi-Levi /David	09/01/12	08/31/16	0	125,068	(0)
		6934527	C	P063007	AGREEMENT DATED 07/2	Williams /John R	08/01/16	06/30/18	(17,620)	125,000	0
		6934631	G	P067952	AGREEMENT EFF. 08/15/2	Solar Lezama /Armando	08/15/16	01/15/17	0	99,913	3,288
		6934901	C	P063007	PO# TBD	Simchi-Levi /David	09/01/16	12/31/17	0	163,154	0
		6935099	C	P067952	PO#4501751689	Barzilay /Regina	09/01/16	08/31/18	(4,682)	124,536	0
		6935426	C	P068700	AGMT. DTD. 11/1/16	Veeramachaneni /Kalyan	11/01/16	11/30/20	507,600	1,489,000	474,376
		6936637	C	P405028	AGREEMENT DATED MAY	Gabrieli /John D. E.	05/01/17	07/31/19	15,226	63,442	1,727

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		6936850	C	P400600	AGREEMENT DATED MAY	Gabrieli /John D. E.	07/01/17	07/31/19	41,662	170,820	15,647
		6938241	C	P091000	AGMT DTD 3/9/18	Autor /David H	03/01/18	03/01/20	125,902	266,436	140,534
	<b>Total by Primary Sponsor</b>								<b>763,217</b>	<b>6,339,610</b>	<b>968,172</b>
003999 Multi-Source	003999 Multi-Source	6455500	C	P121110	MEMO DATED 5/9/96	Madnick /Stuart E	05/09/96	06/30/21	0	70,543	6,087
		6455600	C	P121110	MEMO DATED 5/9/96	Siegel /Michael D	05/09/96	06/30/21	0	72,266	1,545
		6455700	C	P121110	MEMO DATED 5/9/96	Gupta /Amar	05/09/96	08/25/04	0	23,422	(0)
		6592700	G	P122010	MULTI-SPONSORED	Ross /Jeanne W	07/01/97	12/31/17	0	3,936,964	0
		6940214	C	P417500	MASTER RESEARCH AGR	Kirchain /Randolph E	01/01/19	08/31/19	26,758	58,381	31,623
		8180400	G	P122010	MULTI-SPONSORED	Ross /Jeanne W	01/01/74	12/31/17	2	14,125,559	(0)
	<b>Total by Primary Sponsor</b>								<b>26,760</b>	<b>18,287,136</b>	<b>39,255</b>
004002 Omron Corporation	004002 Omron Corpora	6938309	C	P067952	AGMT. DTD. 04/01/2018	Katabi /Dina	04/01/18	03/31/21	44,254	300,000	255,694
	<b>Total by Primary Sponsor</b>								<b>44,254</b>	<b>300,000</b>	<b>255,694</b>
004012 Oracle America, Inc.	004012 Oracle America Inc.	6935382	G	P063007	PROJECT #2, AGMT DTD.	Simchi-Levi /David	12/01/16	08/31/19	0	84,960	0
		6936543	C	P121012	PROJECT #1, AGMT DTD. 1/16/12	Perakis /Georgia	06/01/17	12/31/18	58,201	110,000	(0)
		6938465	G	P063007	PROJECT #2, AGMT DTD.	Simchi-Levi /David	01/01/18	08/31/19	31,228	105,040	73,812
	<b>Total by Primary Sponsor</b>								<b>89,429</b>	<b>300,000</b>	<b>73,812</b>
004031 Otsuka Pharmaceutical Factory, Incorporated	004031 Otsuka Pharma	6938236	G	P152000	SRA DATED 3/13/18	Johnson /Jeremiah A.	04/01/18	03/31/20	56,642	123,600	35,430
	<b>Total by Primary Sponsor</b>								<b>56,642</b>	<b>123,600</b>	<b>35,430</b>
004090 Pfizer Incorporated	004090 Pfizer Incorporated	6899047	C	P067952	AGMT EFF 1/1/06	Davis /Randall	01/01/06	12/31/19	15,728	640,898	263,506
		6923880	C	P402010	P.O. 8500217453	Love /John C	05/04/11	08/28/20	26	527,089	(2,368)
		6929088	C	P402010	P.O. 8500217453	Love /John C	12/17/13	08/28/20	60,843	811,499	11,860
		6929200	C	P069201	PFIZER-MIT RCA SYNTH	Weiss /Ron	12/23/13	12/22/17	0	2,599	2,599
		6929201	C	P069201	PFIZER-MIT RCA 12/23/20	Weiss /Ron	12/23/13	12/22/17	(364)	1,735,018	(0)
		6929202	C	P069201	PFIZER-MIT RCA SYNTH	Lu /Timothy K	12/23/13	12/22/17	(833)	1,385,867	460
		6929508	C	P069201	PFIZER-MIT RCA SYNTH	Weiss /Ron	12/23/13	12/22/17	0	504,194	(0)
		6930160	C	P402000	AGREEMENT DATED 5/29	Cima /Michael J	06/01/14	12/31/19	0	393,683	55
		6930206	C	P402000	AGREEMENT DATED 5/29	Cima /Michael J	06/01/14	08/31/16	0	86,003	0
		6931270	C	P069201	PFIZER-MIT RCA SYNTH	Weiss /Ron	01/01/14	12/22/17	0	453,488	(0)
		6931294	C	P069201	AGREEMENT DTD 12/24/1	Weiss /Ron	01/01/15	06/22/19	686,112	2,589,123	(6,852)
		6931378	C	P069201	AGREEMENT DTD 12/24/1	Weiss /Ron	01/01/15	06/22/19	1,142	403,050	0
		6932276	C	P069201	AGREEMENT EXECUTED	Lu /Timothy K	06/17/15	06/16/19	91,313	665,425	(0)
		6932382	C	P069201	RA EFFECTIVE 06/17/2015	Lu /Timothy K	06/17/15	06/16/19	95,535	788,381	(0)
		6932383	C	P069201	RA EFFECTIVE 06/17/2015	Weiss /Ron	06/17/15	06/16/19	129,454	977,914	(2,688)
		6932384	C	P069201	RA EFFECTIVE 06/17/2015	Lauffenburger /Douglas A	06/17/15	06/16/19	81,320	568,264	(0)
		6934963	G	P067952	PO# 8501224430	Kellis /Manolis	09/01/16	08/31/18	367,268	1,497,794	(509,059)
		6939034	C	P067952	PO# 8501891342	Katabi /Dina	07/01/18	06/30/19	2,413	100,000	97,587
		6939735	C	P062000	PO 8501992622	Green /William H	10/09/18	12/08/20	6,332	50,000	43,668
		6940050	C	P062000	PO# 8502072909	Jensen /Klavs F	12/12/18	12/11/19	12,611	197,000	184,389
	<b>Total by Primary Sponsor</b>								<b>1,548,900</b>	<b>14,377,290</b>	<b>83,156</b>
004093 Philip Morris Inc.	004093 Philip Morris Inc	6933271	C	P062000	PO #7100739755	Rutledge /Gregory C	09/01/15	08/31/19	213,359	696,072	14,077

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Morris Incorporated	<b>Total by Primary Sponsor</b>								<b>213,359</b>	<b>696,072</b>	<b>14,077</b>
004096 Philips Research Laboratory	004096 Philips Research	6932823	G	P061901	EFF 5/19/15 - MASTER RE	Mark /Roger G	07/02/15	12/31/17	0	416,206	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>416,206</b>	<b>0</b>
004138 Procter & Gamble Company	004138 Procter & Gamble Company	6926026	C	P065004	G4P-4502761581	Hart /Anastasios John	06/01/12	08/31/19	0	32,541	0
		6928013	C	P065004	PO 4502570797 / PO# G4F	Hart /Anastasios John	06/01/12	08/31/19	56,734	407,459	16,148
	<b>Total by Primary Sponsor</b>								<b>56,734</b>	<b>440,000</b>	<b>16,148</b>
004150 Pratt & Whitney	004150 Pratt & Whitney	6929779	C	P320000	RPP PW2014-02	Annaswamy /Anuradha M	05/01/14	08/31/15	0	125,000	(0)
	006169 Indian Institute	6940405	C	P065004	AGMT DTD. 3/25/19	Ghoniem /Ahmed F	01/15/18	12/31/19	174	60,000	59,826
	<b>Total by Primary Sponsor</b>								<b>174</b>	<b>185,000</b>	<b>59,826</b>
004195 Roche Diagnostics Corporation	004195 Roche Diagnostics Corporation	6933111	C	P400600	AGREEMENT DTD. DECEMBER 1, 2015	Feng /Guoping	12/01/15	12/31/18	808	1,000,000	(808)
		6935607	C	P402000	AGREEMENT DATED 10/1	Langer /Robert S	05/01/16	04/30/18	42,427	95,086	0
	<b>Total by Primary Sponsor</b>								<b>43,235</b>	<b>1,095,086</b>	<b>(808)</b>
004237 Samsung	004237 Samsung	6924000	C	P062000	MASTER RESEARCH AGR	Bazant /Martin Z	06/01/12	05/31/13	0	100,000	(0)
		6935270	C	P067952		Mithal /Arvind	11/01/16	10/31/17	(5)	132,210	0
		6936960	C	P067952	AGREEMENT DATED 9/1/1	Torralba /Antonio	09/01/17	08/31/18	15,777	170,000	63,773
		6937301	C	P062000	GRO RESEARCH AGREEM	Tisdale /William	10/01/17	09/30/18	28,210	100,000	(0)
		6937485	C	P067952	AGMT. EFFECTIVE 11/1/1	Mithal /Arvind	11/01/17	12/31/18	75,077	156,785	(0)
		6937796	C	P066000	RESEARCH AGREEMENT	Rupp /Jennifer Lilia Marguerit	01/22/18	04/01/19	84,134	150,000	493
		6938909	C	P065004	GRO RESEARCH AGREEM	Hogan /Neville	07/01/18	06/30/19	150,606	150,000	(606)
		6939580	C	P065004	GRO RESEARCH AGREEM	Kim /Jeehwan	10/01/18	09/30/19	107,724	150,000	42,276
	<b>Total by Primary Sponsor</b>								<b>461,524</b>	<b>1,108,995</b>	<b>105,936</b>
004240 Research Corporation	004240 Research Corp	6929397	G	P152000	22758	Dinca /Mircea	07/01/14	06/30/19	9,770	70,000	1,453
	<b>Total by Primary Sponsor</b>								<b>9,770</b>	<b>70,000</b>	<b>1,453</b>
004265 Statoil Hydro ASA	004265 Statoil Hydro ASA	6935129	G	P153000	4503452749	Fournier /Aime	09/01/16	09/30/19	360,548	1,189,484	174,001
		7690600	G	P122030	CENTER FOR COORDINA	Malone /Thomas W	01/01/92	12/31/95	0	450,000	(0)
	<b>Total by Primary Sponsor</b>								<b>360,548</b>	<b>1,639,484</b>	<b>174,001</b>
004293 SNECMA	004293 SNECMA	6930787	C	P061094	PO 920438165/RESEARC	Spakovszky /Zoltan S	09/01/14	05/31/19	134,497	1,106,505	84,838
		6936707	C	P061094	PO 920438165/RESEARC	Spakovszky /Zoltan S	05/01/17	05/31/19	49,496	95,400	(34,319)
	<b>Total by Primary Sponsor</b>								<b>183,994</b>	<b>1,201,905</b>	<b>50,519</b>
004305 Schlumberger - Doll Research Center	004305 Schlumberger -	6926115	C	P063007	SCHLUMBERGER MITEI S	Williams /John R	06/01/12	04/30/13	0	30,000	(0)
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>30,000</b>	<b>(0)</b>
004329 Semiconductor Research Corporation	004329 Semiconductor Research Corporation	6932577	C	P067952	2015-TS-2642	Devadas /Srinivas	10/01/15	09/30/18	(4,276)	133,332	(0)

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Semiconductor Research Corporation	Research Corporation	6933013	C	P060600	2016-LM-2655	del Alamo /Jesus A	01/01/16	12/31/18	69,054	300,000	(0)
		6934182	C	P065004	2016-IN-2680	Fang /Xuanlai	06/01/16	05/31/17	(26,354)	70,000	(0)
		6934865	C	P267200	2016-EP-2693-B	Soljacic /Marin	10/01/16	12/31/19	51,235	164,823	11,015
		6935408	C	P067952	2016-EP-2693-B	Sanchez Martin /Daniel	10/01/16	12/31/19	31,493	99,894	17,646
		6935409	C	P267111	2016-EP-2693-B	Englund /Dirk R.	10/01/16	12/31/19	38,550	164,823	113,975
		6936676	G	P060600	SRC CONTRACT NO. 2017	Han /Ruonan	07/01/17	06/30/20	113,621	339,000	132,954
		6938472	C	P066000	CONTRACT# 2018-NM-275	Ross /Caroline A	01/01/18	12/31/19	258,299	180,000	(94,537)
		6938647	C	P069850	2018-NC-2764-D	Thompson /Carl Vernette	01/01/18	12/31/19	52,681	53,501	820
		6938795	C	P060600	2018-LM-2832	del Alamo /Jesus A	07/01/18	06/30/20	64,561	176,000	111,439
	007180 Purdue University	6938271	G	P400600	GRANT NO. 4301-83286	DiCarlo /James	01/01/18	12/31/19	325,026	500,000	121,201
		6938391	G	P400600	GRANT NO. 4301-83286	Poggio /Tomaso A	01/01/18	12/31/19	347,220	500,000	87,248
	007617 University of Minnesota	6940054	C	P066000	A007462901	Ross /Caroline A	10/01/18	12/31/19	115,025	205,000	89,976
		6940183	C	P066000	A007462901	Beach /Geoffrey Stephen	10/01/18	12/31/19	138,447	205,000	66,553
		6940184	C	P060600	A007462901	Liu /Luqiao	10/01/18	12/31/19	83,164	147,050	63,886
Total by Primary Sponsor									1,657,745	3,238,423	722,175
004332 Shell Global Solutions	004332 Shell Global Solutions	6925635	C	P320000	SHELL MITEI FOUNDING I	Williams /John R	03/01/12	04/30/17	0	568,600	0
		6929060	C	P320000	SHELL CONTRACT NO. G	Varanasi /Kripa	01/01/14	03/31/16	0	250,000	(0)
		6933024	C	P320000	SHELL MITEI FOUNDING I	Williams /John R	09/01/15	08/31/16	0	60,000	0
	Total by Primary Sponsor									0	878,599
004334 Siemens Ag	004334 Siemens Ag	6202600	C	P400600	AGREEMENT DATED 6/13	Poggio /Tomaso A	07/01/93	12/31/19	0	0	(307)
		6202800	C	P068600	AGREEMENT DATED 5/30	Rivest /Ronald L	01/01/94	12/31/14	0	87,505	0
		6203200	C	P154500	AGREEMENT DATED 6/13	Jordan /Michael I	10/01/93	12/31/14	0	50,000	0
		6203300	C	P068600	AGREEMENT DATED 5/30	Rivest /Ronald L	10/01/93	02/28/95	0	49,837	(0)
		6203400	C	P400600	AGREEMENT DATED 6/13	Poggio /Tomaso A	10/01/93	12/31/19	12,378	100,000	(469)
		6326500	C	P154500	AGREEMENT DATED 6/13	Jordan /Michael I	10/01/94	12/31/14	0	50,000	1,395
		6326600	C	P400600	AGREEMENT DATED 6/13	Poggio /Tomaso A	10/01/94	12/31/19	12,710	100,000	(3,602)
	Total by Primary Sponsor									25,089	437,343
004356 Sony Corporation	004356 Sony Corporation	6941125	C	P067952	AGREEMENT DTD 7/1/19	Sanchez Martin /Daniel	07/01/19	06/30/20	0	100,000	100,000
	Total by Primary Sponsor									0	100,000
004381 Sumitomo Heavy Industries Limited	004381 Sumitomo Heavy Industries Limited	6927577	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	04/01/13	05/31/20	85,799	1,637,864	245,456
		6928687	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	09/17/13	08/14/14	0	14,205	0
		6930198	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	07/23/14	08/31/15	0	9,993	0
		6930305	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	07/10/14	03/31/15	0	7,805	0
		6931064	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	10/28/14	03/31/15	0	20,850	0
		6931673	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	03/09/15	06/30/16	0	21,976	0
		6931887	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	05/01/15	12/01/16	0	21,041	0
		6933163	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	11/01/15	05/09/17	0	13,050	0
		6933439	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	04/01/15	03/31/19	0	10,706	0
		6934899	G	P067952	AGREEMENT EFF. 10/01/2	Katabi /Dina	10/01/16	09/30/19	117,529	409,454	266,136
		6935952	G	P067952	AGREEMENT EFF. 10/01/2	Katabi /Dina	10/01/16	03/31/19	177,198	245,000	35,478
		6937510	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	09/20/17	03/31/19	21,258	30,277	0
		6938964	C	P065004	AGMT. DTD. 4/1/13	Asada /Haruhiko	07/01/18	03/01/19	12,233	12,233	0



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		6941094	G	P065004	AGMT DTD TBD	Krebs /Hernando I	06/01/19	05/31/20	0	297,946	297,946
	Total by Primary Sponsor								414,017	2,752,400	845,016
004418 Steelcase Incorporated	004418 Steelcase, Incorporated	6933476	C	P067952	AGREEMENT DATED 2/1/1	Shah /Julie A	02/01/16	01/31/19	156,194	336,250	(0)
		6933702	C	P031000	AGREEMENT EFFECTIVE	Tibbits /Skylar	12/12/15	11/30/20	0	2	2
		6933703	C	P031000	AGREEMENT EFFECTIVE	Tibbits /Skylar	12/12/15	09/01/16	0	53,645	(0)
		6935033	C	P031000	RPP NO. 2	Tibbits /Skylar	09/01/16	10/31/17	0	175,073	(0)
		6935133	C	P031000	RPP NO. 3	Tibbits /Skylar	11/01/16	04/30/17	0	55,422	0
		6937207	C	P031000	AGREEMENT EFFECTIVE	Tibbits /Skylar	08/15/17	03/31/18	0	80,281	0
	Total by Primary Sponsor								156,194	700,674	2
004436 Texas Instruments, Incorporated	004436 Texas Instruments, Incorporated	6891026	C	P060600	AGMT EFF. 7/1/00	Sodini /Charles G	07/01/00	12/31/19	0	69,554	(833)
		6891081	C	P060600	AGMT EFF. 7/1/00	Sodini /Charles G	07/01/00	06/30/10	0	286,446	0
		6891082	C	P060600	AGMT EFF. 7/1/00	Lee /Hae-Seung	07/01/00	12/31/19	11,821	285,000	18,916
		6891083	C	P060600	AGMT EFF. 7/1/00	Chandrakasan /Anantha P	07/01/00	06/30/10	0	409,000	(0)
	Total by Primary Sponsor								11,821	1,050,000	18,083
004456 Toray Industries	004456 Toray Industries	6938390	C	P402410	AGMT DTD 4/21/2018	Lienhard /John H	04/21/18	04/20/20	7,046	60,000	52,954
	Total by Primary Sponsor								7,046	60,000	52,954
004458 Toyota	004458 Toyota	6938267	G	P069400		Trancik /Jessika	04/01/18	03/31/20	174,085	250,000	58,797
	Total by Primary Sponsor								174,085	250,000	58,797
004471 Tokyo Electric (Tepco)	004471 Tokyo Electric (Tepco)	6934737	G	P068000	AGREEMENT EFF. 09/01/2	Golay /Michael W	09/01/16	08/31/19	185,700	500,000	40,416
		6939080	C	P068000	AGMT. DTD. 8/9/18	Buongiorno /Jacopo	09/01/18	08/31/19	86,381	200,000	113,619
	Total by Primary Sponsor								272,081	700,000	154,035
004501 TIAA-CREF	004501 TIAA-CREF	6940052	C	P069501	MIT-TIAA SRA 2018.12.11	Coughlin /Joseph F	07/16/18	10/15/19	102,027	400,000	297,973
	Total by Primary Sponsor								102,027	400,000	297,973
004511 Shell International Renewables B.V.	004511 Shell International	6940748	C	P320000	SHELL CONTRACT NO. G	Gencer /Emre	04/01/19	03/31/20	815	200,000	199,185
	Total by Primary Sponsor								815	200,000	199,185
004534 Samsung Advanced Institute of Technology	004534 Samsung Advanced Institute of Technology	6923989	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/11	06/30/18	0	2,201	617
		6923990	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/11	06/30/18	0	13,954	13,954
		6923991	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/11	06/30/18	(9,914)	872,075	(0)
		6923992	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/11	06/30/18	0	425,971	6,587
		6923993	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/11	06/30/18	0	3,923,644	0
		6923995	C	P267110	MASTER RESEARCH AGR	Grossman /Jeffrey C.	06/01/11	05/31/16	0	1,399,979	0
		6923996	C	P267110	MASTER RESEARCH AGR	Bulovic /Vladimir	06/01/11	05/31/16	0	1,200,000	(0)
		6923997	C	P267500	MASTER RESEARCH AGR	Bawendi /Moungi G	06/01/11	08/31/16	0	1,199,910	(0)
		6923998	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/11	06/30/18	0	2,399,439	(470)
		6923999	C	P062000	MASTER RESEARCH AGR	Hammond /Paula T	06/01/11	05/31/14	0	789,149	0
		6924001	C	P062000	MASTER RESEARCH AGR	Hammond /Paula T	09/01/12	09/30/13	0	106,729	0
		6924002	C	P062000	MASTER RESEARCH AGR	Hammond /Paula T	06/01/11	05/31/14	0	34,328	(0)

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		6924003	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/13	06/30/18	(12)	114,565	0
		6924004	C	P062000	MASTER RESEARCH AGR	Hammond /Paula T	06/01/13	11/30/16	0	274,328	(0)
		6924005	C	P065005	MASTER RESEARCH AGR	Shao-Horn /Yang	06/01/13	05/31/15	0	245,325	(0)
		6924006	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	06/01/13	06/30/18	0	146,220	(0)
		6927020	C	P065004	MASTER RESEARCH AGR	Shao-Horn /Yang	09/01/12	06/30/13	0	91,182	0
		6928131	C	P066000	MASTER RESEARCH AGR	Ceder /Gerbrand	07/01/13	05/31/16	0	64,006	0
		6928373	C	P062000	MASTER RESEARCH AGR	Bazant /Martin Z	06/01/13	05/31/16	0	300,000	0
		6928793	C	P065005	MASTER RESEARCH AGR	Shao-Horn /Yang	10/15/13	05/31/15	0	69,220	0
		6932395	C	P267200	MASTER RESEARCH AGR	Shao-Horn /Yang	06/01/15	06/30/18	0	289,422	(257)
		6932397	C	P267200	MASTER RESEARCH AGR	Shao-Horn /Yang	06/01/15	06/30/18	0	185,578	0
		6934559	G	P267200	AGREEMENT EFF. 08/01/2	Shao-Horn /Yang	08/01/16	07/31/19	123,310	800,000	(1,981)
		6934972	G	P267200	AGREEMENT EFF. 08/01/2	Johnson /Jeremiah A.	08/01/16	07/31/19	96,439	600,000	4,574
		6935445	C	P068000	AGRMT DTD 8/1/16	Li /Ju	08/01/16	07/31/18	88	400,000	0
		6935446	C	P152000	GRO RESEARCH AGREEM	So /Peter T. C.	12/01/16	05/31/19	(91,085)	274,499	0
		6935564	G	P267200	AGREEMENT EFF. 08/01/2	Shao-Horn /Yang	01/04/17	07/31/18	0	50,000	14,672
		6938870	C	P152000	GRO RESEARCH AGREEM	So /Peter T. C.	03/01/18	05/31/19	250,385	259,279	15
		6938920	C	P159900	AGMT DATED 1 JULY 2018	Harrow /Aram W.	07/01/18	06/30/21	56,606	1,500,000	1,443,394
		6938974	C	P152000	GRO RESEARCH AGREEM	So /Peter T. C.	07/01/18	02/28/19	6,706	6,706	0
		6939411	C	P060600	AGMT. DTD. 09/01/2018	Palacios /Tomas	09/01/18	08/31/19	115,734	200,000	84,266
		6939430	C	P060600	AGMT. DTD. 09/01/2018	Han /Song	09/01/18	04/30/20	2,585	400,000	397,415
		6939759	C	P068000	AGRMT DTD 8/1/18	Li /Ju	08/01/18	07/31/21	331,773	900,000	568,227
		6940621	C	P417500	AGRMT DATED 1/15/19	Rupp /Jennifer Lilia Marguerit	01/15/19	07/14/21	96,875	750,000	653,125
Total by Primary Sponsor									979,488	20,287,706	3,184,138
004565 Sikorsky Aircraft	004565 Sikorsky Aircraft	6926827	C	P320000	UTC MITEI RPP 78137329	Brisson /John G	09/01/12	03/31/17	0	228,000	0
		Total by Primary Sponsor									0
004607 United Airlines	004607 United Airlines	6936235	C	P061093	AGRMT DATED APRIL 27, 2018	Balakrishnan /Hamsa	01/30/17	01/29/18	(294)	80,000	0
		Total by Primary Sponsor									(294)
004623 United Technologies Corporation	004623 United Technologies Corporation	6926825	C	P320000	UTC MITEI RESEARCH PROGRAM	Perreault /David J	09/01/12	08/31/13	0	477	(0)
		6926936	C	P320000	UTC MITEI RESEARCH PROGRAM	Shao-Horn /Yang	09/01/12	08/31/14	0	149,000	0
		6927643	C	P320000	UTC MITEI RESEARCH PROGRAM	Parrilo /Pablo A	04/01/13	03/31/14	0	38,491	0
		6929778	C	P320000	RPP PW2018-001	Peraire /Jaime	03/01/14	12/31/18	88,024	601,924	11
		6929880	C	P320000	RPP 1190626, AMENDMENT	Simchi-Levi /David	05/01/14	10/31/16	0	131,509	0
	Total by Primary Sponsor									88,024	921,401
004625 Pratt & Whitney: A United Technologies Company	004625 Pratt & Whitney	6940589	C	P061093	SRA DTD. 04/25/2019	Peraire /Jaime	02/01/19	12/31/19	30,708	100,000	69,292
		Total by Primary Sponsor									30,708
004635 United Parcel Service	004635 United Parcel Service	6939134	C	P069500	AGREEMENT DTTD 8/1/18	Sheffi /Yosef	08/01/18	10/31/19	266,587	500,000	233,413
		Total by Primary Sponsor									266,587
004719 Suruga Bank	004719 Suruga Bank	6932894	G	P121175	AGMNT DTD 6/1/15	Urban /Glen L	06/01/15	05/31/19	305,596	1,000,000	(225)



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Bank	<b>Total by Primary Sponsor</b>								<b>305,596</b>	<b>1,000,000</b>	<b>(225)</b>
004737 The Carnegie Corporation of New York	004737 The Carnegie C	6932247	G	P097500	B 4538.R13	Posen /Barry R	07/01/15	06/30/18	(31,010)	1,001,980	(0)
	<b>Total by Primary Sponsor</b>								<b>(31,010)</b>	<b>1,001,980</b>	<b>(0)</b>
004817 Millennium Pharmaceuticals, Incorporated	004817 Millennium Pha	6935994	C	P039010	AGREEMENT DATED 3/17	Picard /Rosalind W.	02/01/17	06/30/19	261,326	706,149	20,903
	<b>Total by Primary Sponsor</b>								<b>261,326</b>	<b>706,149</b>	<b>20,903</b>
004866 Mitsubishi Electric Corporation	004866 Mitsubishi Electric Corporation	6932893	C	P121012	AGMNT DTD 9/1/15	Bertsimas /Dimitris J	01/01/16	08/31/20	171,591	758,000	78,409
		6935601	C	P154500	RESEARCH AGREEMENT	Tenenbaum /Joshua B	10/01/16	12/31/19	148,411	460,000	18,092
	<b>Total by Primary Sponsor</b>								<b>320,002</b>	<b>1,218,000</b>	<b>96,501</b>
004883 Yamaha	004883 Yamaha	6938935	C	P069850	AGREEMENT DTD 6/12/18	Tasan /Cemal	06/12/18	05/31/20	83,088	72,044	(11,044)
	<b>Total by Primary Sponsor</b>								<b>83,088</b>	<b>72,044</b>	<b>(11,044)</b>
004886 YPF TECNOLOGIA S.A.	004886 YPF TECNOLOGIA S.A.	6940279	G	P063000	TBD	Einstein /Herbert H	02/01/19	03/31/21	4,648	227,609	222,961
		6940629	G	P065004	SRA DTD. 04/16/2019	Hunter /Ian	04/16/19	04/15/20	33,792	500,000	466,208
	<b>Total by Primary Sponsor</b>								<b>38,441</b>	<b>727,609</b>	<b>689,168</b>
004913 Delta Electronics, Incorporated	004913 Delta Electronics, Incorporated	6934222	G	P060600	AGMT DTD 5/1/2016	Chandrakasan /Anantha P	05/01/16	04/30/20	107,474	900,000	412,225
		6934407	G	P067952	AGMT DTD. 7/1/2016	Katabi /Dina	07/01/16	07/01/19	293,428	900,000	37,978
	<b>Total by Primary Sponsor</b>								<b>400,902</b>	<b>1,800,000</b>	<b>450,203</b>
004937 Microelectronics Advanced Research Corp.	007625 University of Ca	6927556	C	P066000	SUBCONTRACT NO. 0142	Ross /Caroline A	01/15/13	12/31/17	960	950,417	0
	<b>Total by Primary Sponsor</b>								<b>960</b>	<b>950,417</b>	<b>0</b>
004939 Glaxo Smith Kline	004939 Glaxo Smith Kline	6935803	C	P039010	PO 3000738523/CO 30000	Larson /Kent	12/01/16	11/30/18	65,369	299,958	0
		6938348	C	P402000	PO# 3001296371	Koehler /Angela Nicole	04/01/18	03/31/20	165,076	300,000	105,803
		6938349	C	P402000	PO# 3001296336	Sharp /Phillip A	06/01/18	05/31/20	155,762	285,127	116,339
		6938350	C	P267110	PO# 3001296369	Voldman /Joel	04/01/18	03/31/20	136,468	299,992	133,425
		6938441	C	P061901	PO#3001370305	Shalek /Alexander K	08/20/18	08/19/20	119,857	300,000	180,143
	<b>Total by Primary Sponsor</b>								<b>642,532</b>	<b>1,485,077</b>	<b>535,709</b>
004967 Adidas America	004967 Adidas America	6936520	C	P065004	PO 4900535915	Hosoi /Anette E	09/01/17	08/31/19	87,123	210,166	48,357
		6940244	C	P065004	PO 4900577858	Hosoi /Anette E	01/01/19	12/31/19	23,969	60,731	36,762
		6940408	C	P065004	AGREEMENT DTD 3/5/19	Hosoi /Anette E	01/01/19	12/31/19	38,419	108,689	70,270
	<b>Total by Primary Sponsor</b>								<b>149,511</b>	<b>379,586</b>	<b>155,388</b>
004989 Petroleum Development Oman	004989 Petroleum Development Oman	6935433	G	P153000	AGREEMENT EFFECTIVE 03/01/2015	Bergmann /Kristin	03/01/15	12/31/18	1,814	8,386	0
	<b>Total by Primary Sponsor</b>								<b>1,814</b>	<b>8,386</b>	<b>0</b>
004999 Multi-Sponsored Consortium	004999 Multi-Sponsored Consortium	6264400	C	P067971	MASTER AGREEMENT	Berners-Lee /Timothy J	10/01/94	06/30/20	342,180	47,831,596	28,665,577
		6344000	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	01/01/95	12/31/19	0	680,123	679,839

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CONSORTIUM		6344100	C	P069501	CONSORTIUM AGMT	Sheffi /Yosef	01/01/95	12/31/19	157,384	1,732,069	(16,912)
		6345400	C	P069501	MASTER AGREEMENT	Malone /Thomas W	03/01/98	12/31/04	0	150,000	(0)
		6345500	C	P069501	MASTER AGREEMENT	Sheffi /Yosef	06/01/98	12/31/00	0	15,258	0
		6345600	C	P069501	MASTER AGREEMENT	Jap /Sandy D	08/01/99	12/31/01	0	2,561	(0)
		6345700	C	P069501	MASTER AGREEMENT	Rice /James B	01/01/03	12/31/19	31	140,000	104,117
		6592900	G	P122030	PRIOR AGREEMENT	Malone /Thomas W	07/01/97	09/30/99	0	2,777	0
		6593000	G	P122030	PRIOR AGREEMENT	Malone /Thomas W	07/01/97	09/30/99	0	318	(0)
		6593100	G	P122030	PRIOR AGREEMENT	Malone /Thomas W	07/01/97	09/30/99	0	119	(0)
		6827886	C	P320000	MITEI MEMBERSHIP SECT	Donaldson /David John	06/01/13	05/31/14	0	57,237	(0)
		6869300	C	P061093	MASTER AGREEMENT	Belobaba /Peter P	07/01/99	12/31/20	439,403	5,280,000	189,458
		6885000	C	P320000	MASTER AGREEMENT	Wong /Victor W	08/31/99	05/31/01	0	31,696	0
		6890000	C	P122170	PECM PROJECT	Brynjolfsson /Erik	04/01/99	12/31/18	(1)	7,327	(0)
		6890001	C	P122170	PECM PROJECT	Brynjolfsson /Erik	04/01/99	12/31/18	513	80,828	0
		6890003	C	P122170	PECM PROJECT	Brynjolfsson /Erik	04/01/99	12/31/18	10,558	263,774	(0)
		6890652	C	P067914	MASTER AGREEMENT	Finn /Carmen	05/01/00	06/30/20	0	493,108	(558)
		6890984	C	P067952	MASTER AGREEMENT	Zue /Victor Waito	07/01/00	06/30/20	145,299	3,479,100	279,439
		6891091	C	P068600	MULTI-SPONSOR	Ackerman /Mark S	05/01/00	04/30/02	0	55,297	(0)
		6891092	C	P067952	MULTI-SPONSOR	Agarwal /Anant	05/01/00	06/30/19	0	875,976	147,726
		6891093	C	P067952	MULTI-SPONSOR	Amarasinghe /Saman P	05/01/00	06/30/06	0	375,000	(0)
		6891094	C	P067952	MULTI-SPONSOR	Asanovic /Krste	05/01/00	06/30/07	0	150,000	(0)
		6891095	C	P067952	MULTI-SPONSOR	Balakrishnan /Hari	05/01/00	06/30/04	0	100,000	(0)
		6891096	C	P067952	MULTI-SPONSOR	Clark /David D	05/01/00	06/30/06	0	100,000	0
		6891097	C	P067952	MULTI-SPONSOR	Devadas /Srinivas	05/01/00	06/30/10	0	1,016,644	0
		6891098	C	P067952	MULTI-SPONSOR	Dorsey /Julie	05/01/00	06/30/05	0	300,000	0
		6891099	C	P067952	MULTI-SPONSOR	Gifford /David K	05/01/00	06/30/14	0	50,000	0
		6891100	C	P068600	MULTI-SPONSOR	Guttag /John V	05/01/00	04/30/03	0	49,999	0
		6891101	C	P067952	MULTI-SPONSOR	Karger /David R	05/01/00	06/30/06	0	349,849	(0)
		6891102	C	P067952	MULTI-SPONSOR	Kaashoek /M. Frans	05/01/00	06/30/19	0	464,194	62,718
		6891103	C	P068600	MULTI-SPONSOR	Lynch /Nancy Ann	05/01/00	06/30/02	0	49,991	(0)
		6891104	C	P067952	MULTI-SPONSOR	Morris /Robert Tappan	05/01/00	06/30/06	0	305,000	0
		6891105	C	P067952	MULTI-SPONSOR	Rinard /Martin C	05/01/00	06/30/20	129	150,000	(8,378)
		6891106	C	P067952	MULTI-SPONSOR	Rivest /Ronald L	05/01/00	06/30/10	0	344,932	(0)
		6891107	C	P067952	MULTI-SPONSOR	Szlovits /Peter	05/01/00	06/30/16	0	100,322	0
		6891108	C	P067952	MULTI-SPONSOR	Ward /Stephen A	05/01/00	06/30/08	0	850,000	0
		6891109	C	P067952	MULTI-SPONSOR	Glass /James R	05/01/00	06/30/07	0	2,723,966	0
		6891110	C	P067952	MULTI-SPONSOR	Darrell /Trevor J	05/01/00	06/30/08	0	908,561	(0)
		6891111	C	P067952	MULTI-SPONSOR	Grimson /William E	05/01/00	06/30/03	0	200,000	(0)
		6891112	C	P067952	MULTI-SPONSOR	Grimson /William E	05/01/00	06/30/03	0	100,000	(0)
		6891113	C	P067952	MULTI-SPONSOR	Shrobe /Howard E	05/01/00	06/30/08	0	1,571,561	(0)
		6891114	C	P067952	MULTI-SPONSOR	Katz /Boris	05/01/00	06/30/14	0	484,999	(0)
		6891115	C	P067952	MULTI-SPONSOR	Davis /Randall	05/01/00	06/30/08	0	1,287,000	(0)
		6891116	C	P067952	MULTI-SPONSOR	Lozano-Perez /Tomas	05/01/00	03/31/04	0	50,000	0
		6891117	C	P067952	MULTI-SPONSOR	Jaakkola /Tommi S	05/01/00	06/30/03	0	50,000	0
		6891118	C	P067952	MULTI-SPONSOR	Brooks /Rodney Allen	05/01/00	06/30/03	0	150,000	0
		6891562	C	P067952	OXYGEN PARTNERSHIP-I	Durlach /Nathaniel I	05/01/00	06/30/03	0	50,000	0
		6891754	C	P069880	CONSORTIUM EXPENSE	Kimerling /Lionel C	01/01/01	11/23/19	0	2,945,588	2,432,575
		6892681	C	P067914	MULTI SPONSOR	Finn /Carmen	07/01/01	06/30/20	0	1,648,937	10,862

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		6892682	C	P068600	MULTI SPONSOR	Agarwal /Anant	07/01/01	04/30/03	0	199,024	0
		6892683	C	P067952	MULTI SPONSOR	Balakrishnan /Hari	07/01/01	06/30/06	0	440,004	(0)
		6892684	C	P067952	MULTI SPONSOR	Demaine /Erik D	07/01/01	06/30/06	0	50,000	(0)
		6892685	C	P067952	MULTI SPONSOR	Edelman /Alan	07/01/01	03/31/04	0	50,000	(0)
		6892686	C	P067952	MULTI SPONSOR	Ernst /Michael D	07/01/01	06/30/06	0	50,000	(0)
		6892687	C	P067952	MULTI SPONSOR	McMillan /Leonard	07/01/01	06/30/08	0	199,657	(0)
		6892688	C	P067952	MULTI SPONSOR	Rudolph /Larry	07/01/01	06/30/08	0	868,402	(0)
		6892689	C	P067952	MULTI SPONSOR	Poggio /Tomaso A	07/01/01	03/10/11	0	416,087	(0)
		6892696	C	P067952	MULTI SPONSOR	Guttag /John V	07/01/01	06/30/17	0	537,941	0
		6892697	C	P067952	MULTI SPONSOR	Garland /Stephen J	07/01/01	06/30/06	0	49,968	(0)
		6892771	C	P069880	CONSORTIUM EXPENSE	Ram /Rajeev J	01/01/01	08/31/04	0	266,106	0
		6892784	C	P069880	CONSORTIUM EXPENSE	Kimerling /Lionel C	01/01/01	12/31/03	0	0	0
		6892930	C	P067952	MULTI-SPONSORED CON	Agarwal /Anant	07/01/01	06/30/06	0	2,494,244	0
		6892931	C	P067952	MULTI-SPONSORED CON	Brooks /Rodney Allen	07/01/01	09/30/03	0	445,241	(0)
		6893174	C	P267600	CONSORTIUM EXPENSE	Joannopoulos /John	02/01/02	12/31/02	0	75,686	(0)
		6893487	C	P067952	MASTER AGREEMENT	Agarwal /Anant	06/03/02	06/30/06	0	366,203	0
		6893732	C	P067952	MASTER AGREEMENT	Popovic /Jovan	07/01/02	06/30/06	0	130,000	(0)
		6893733	C	P067952	MASTER AGREEMENT	Clark /David D	07/01/02	07/31/14	0	200,000	0
		6893734	C	P067952	MASTER AGREEMENT	Kaashoek /M. Frans	07/01/02	06/30/20	0	200,000	85,569
		6894107	C	P039020	AGMT. DTD. 7/1/02	Gershenfeld /Neil A	09/01/02	03/31/20	226,528	2,290,817	787,677
		6894200	C	P039020	AGMT. DTD. 7/1/02	Chuang /Isaac	09/01/02	12/31/07	0	0	(192,963)
		6894201	C	P039020	AGMT. DTD. 7/1/02	Gershenfeld /Neil A	09/01/02	06/30/07	0	0	(10)
		6894422	C	P067952	O2P: TAIWAN WORKSHOI	Rudolph /Larry	07/01/02	06/28/06	0	99,978	(0)
		6895109	C	P067952	AGMT. DTD. 6/18/03	Rudolph /Larry	07/01/03	06/28/06	0	199,973	(0)
		6895182	C	P067952	-	Madden /Samuel R	07/01/03	12/31/05	0	60,000	0
		6895183	C	P067952	MULTI-SPONSOR	Long /William J	07/01/03	06/30/06	0	129,988	0
		6895184	C	P067952	MULTI-SPONSOR	Long /William J	07/01/03	06/30/06	0	100,000	(0)
		6895185	C	P067952	MULTI-SPONSOR	Leonard /John J	07/01/03	06/30/08	0	188,070	0
		6895186	C	P067952	MULTI-SPONSOR	Barzilay /Regina	07/01/03	06/30/20	0	70,000	62,967
		6895187	C	P067952	MULTI-SPONSOR	Durand /Frederic	07/01/03	06/30/07	0	248,964	(0)
		6895188	C	P067952	MULTI-SPONSOR	Rus /Daniela L	07/01/03	06/30/06	0	25,000	0
		6895263	C	P067952	MULTI SPONSOR	Liskov /Barbara H	07/01/03	06/30/06	0	50,000	(0)
		6895281	C	P067952	MULTI SPONSOR	Katabi /Dina	07/01/03	06/30/08	0	160,000	0
		6895422	C	P067952	MULTI-SPONSOR	Devadas /Srinivas	09/01/03	06/30/06	0	7,355	0
		6896074	C	P069880	CONSORTIUM EXPENSE	Ross /Caroline A	02/01/04	01/31/05	0	53,042	0
		6896075	C	P069880	CONSORTIUM EXPENSE	Tuller /Harry L	02/01/04	01/31/05	0	54,838	(0)
		6896148	C	P067952	OXYGEN ALLIANCE/EXPE	Karger /David R	07/01/03	06/30/06	0	338,996	(0)
		6896395	C	P039015	AGMT DTD 3/30/04	Lippman /Andrew B	02/01/04	10/31/17	26,982	1,582,651	(0)
		6896647	C	P067952	MULTI-SPONSORED CON	Steele /Kenneth M	07/01/04	12/31/04	0	4,414	0
		6896728	C	P067952	OXYGEN ALLIANCE/EXPE	Balakrishnan /Hari	07/01/04	06/30/07	0	280,000	(0)
		6897385	C	P067952	OXYGEN ALLIANCE/EXPE	Brooks /Rodney Allen	01/01/05	06/30/20	0	182,788	(0)
		6897433	C	P067952	OXYGEN ALLIANCE/EXPE	Sudan /Madhu	01/01/05	06/30/10	0	199,945	0
		6897611	C	P067952	OXYGEN ALLIANCE/EXPE	Brooks /Rodney Allen	01/01/05	06/30/10	0	7,244	0
		6897652	C	P067971	MASTER AGREEMENT	Berners-Lee /Timothy J	04/01/05	12/31/18	0	49,672	(125,734)
		6897750	C	P065005	MASTER AGREEMENT	Wong /Victor W	05/01/05	07/31/19	432,758	6,026,556	244,419
		6897842	C	P061093	MASTER AGREEMENT	Belobaba /Peter P	06/01/05	05/31/20	228,878	3,885,000	150,518
		6897893	C	P067952	OXYGEN ALLIANCE/EXPE	Miller /Eric J	06/01/05	06/30/13	0	60,892	(0)
		6899228	C	P039020	CBA CONSORTIUM EXPEI	Gershenfeld /Neil A	01/01/06	02/29/20	64,368	0	(409,770)

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		6899291	C	P121110	MASTER CONSORTIUM	Wang /Richard Yng-Yuh	02/16/06	12/31/19	12,664	1,108,517	246,224
		6899523	C	P067952	MULTI-SPONSOR	Leonard /John J	03/01/06	06/30/06	0	6,913	0
		6899638	C	P430000	AGMT. DTD. 7/1/06	Hirsch /Paula	07/01/06	06/30/17	0	0	0
		6899665	C	P430000	PENDING AGREEMENT	Hirsch /Paula	04/15/06	04/14/08	0	137,515	0
		6914563	G	P267100	AGMT. DTD. 7/1/02	Sarpeshkar /Rahul	03/14/06	09/30/07	0	0	(67,936)
		6914700	C	P061093	MASTER AGREEMENT	Wardle /Brian L	01/01/07	09/01/23	87,456	2,650,512	(142,051)
		6914780	C	P069501	ISCM RESEARCH	Sheffi /Yosef	01/15/07	01/15/08	0	5,751	(0)
		6914783	C	P067952	OXYGEN ALLIANCE/EXPE	Leonard /John J	07/01/06	06/30/09	0	59,968	0
		6914816	C	P320000	MASTER AGREEMENT	Wong /Victor W	05/01/05	12/31/08	0	76,669	0
		6914938	C	P069501	ISCM RESEARCH	Sheffi /Yosef	02/01/07	12/31/12	0	25,000	(0)
		6915050	C	P069501	ISCM RESEARCH	Malone /Thomas W	03/01/07	02/29/08	0	10,408	0
		6915825	C	P035000	MASTER AGREEMENT	Ratti /Carlo	07/01/07	12/31/22	391,059	3,873,949	103,129
		6916772	C	P122030	MEMBERSHIP AGREEMENT	Malone /Thomas W	07/01/07	08/31/19	0	0	0
		6916774	C	P061020	NANO-ENGINEERING COI	Wardle /Brian L	10/22/07	02/29/08	0	9,728	0
		6916788	C	P122030	MEMBERSHIP AGREEMENT	Malone /Thomas W	07/01/07	08/31/19	0	2,051,892	372
		6917194	C	P069500	MASTER AGREEMENT	Caplice /Christopher	02/01/08	06/30/20	0	50,000	(0)
		6917271	C	P320000	MITEI MEMBERSHIP SEEC	Armstrong /Robert C	01/15/08	12/31/20	10	434,260	434,250
		6917273	C	P320000	MITEI MEMBERSHIP SEEC	Buonassisi /Anthony	01/15/08	07/31/10	0	35,000	0
		6917274	C	P320000	MITEI MEMBERSHIP SEEC	Chisholm /Sallie W	01/15/08	01/31/11	0	150,000	(0)
		6917275	C	P320000	MITEI MEMBERSHIP SEEC	Leeb /Steven B	01/15/08	01/14/10	0	70,000	0
		6917276	C	P320000	MITEI MEMBERSHIP SEEC	Duflo /Esther	01/15/08	06/30/10	0	150,000	0
		6917277	C	P320000	MITEI MEMBERSHIP SEEC	Minervini /Joseph V	01/15/08	01/14/09	0	100,000	(0)
		6917278	C	P320000	MITEI MEMBERSHIP SEEC	Prather /Kristala L	01/15/08	04/30/09	0	150,000	(0)
		6917279	C	P320000	MITEI MEMBERSHIP SEEC	Schindall /Joel E	01/15/08	01/14/10	0	55,000	(0)
		6917280	C	P320000	MITEI MEMBERSHIP SEEC	Thompson /Janelle Renee	01/15/08	01/14/09	0	50,000	(0)
		6917307	C	P061020	MASTER AGREEMENT	Wardle /Brian L	03/01/08	06/30/08	0	4,373	0
		6917352	C	P061020	MASTER AGREEMENT	Wardle /Brian L	03/01/08	08/31/08	0	5,389	0
		6917843	C	P320000	MITEI MEMBERSHIP SEEC	Ceder /Gerbrand	01/15/08	07/31/10	0	39,990	0
		6918677	C	P320000	MITEI MEMBERSHIP SEEC	Abelson /Harold	09/01/08	10/31/10	0	89,999	0
		6918678	C	P320000	MITEI MEMBERSHIP SEEC	Buehler /Markus J	09/01/08	08/31/10	0	100,000	(0)
		6918679	C	P320000	MITEI MEMBERSHIP SEEC	Ceder /Gerbrand	09/01/08	02/28/13	0	149,880	0
		6918680	C	P320000	MITEI MEMBERSHIP SEEC	Chandrakasan /Anantha P	09/01/08	08/31/09	0	60,000	0
		6918681	C	P320000	MITEI MEMBERSHIP SEEC	Edelman /Alan	09/01/08	08/31/09	0	49,936	0
		6918682	C	P320000	MITEI MEMBERSHIP SEEC	Fernandez /John	09/01/08	08/31/10	0	85,516	(0)
		6918683	C	P320000	MITEI MEMBERSHIP SEEC	Fitzgerald /Eugene A	09/01/08	11/30/09	0	54,399	0
		6918684	C	P320000	MITEI MEMBERSHIP SEEC	Hemond /Harold F	09/01/08	08/31/10	0	37,447	(0)
		6918685	C	P320000	MITEI MEMBERSHIP SEEC	Kassakian /John G	09/01/08	08/31/09	0	89,994	0
		6918686	C	P320000	MITEI MEMBERSHIP SEEC	Layzer /Judith	09/01/08	12/31/10	0	100,000	(0)
		6918687	C	P320000	MITEI MEMBERSHIP SEEC	Livermore-Clifford /Carol	09/01/08	05/31/10	0	149,973	(0)
		6918688	C	P320000	MITEI MEMBERSHIP SEEC	Olken /Benjamin	09/01/08	08/31/09	0	9,858	(0)
		6918689	C	P320000	MITEI MEMBERSHIP SEEC	Ram /Rajeev J	09/01/08	09/15/10	0	120,000	0
		6918690	C	P320000	MITEI MEMBERSHIP SEEC	Sadoway /Donald Robert	09/01/08	12/31/10	0	55,007	0
		6918691	C	P320000	MITEI MEMBERSHIP SEEC	Slocum /Alexander H	09/01/08	05/31/12	0	50,000	0
		6918692	C	P320000	MITEI MEMBERSHIP SEEC	Stephanopoulos /Gregory	09/01/08	10/31/10	0	100,000	(0)
		6918693	C	P320000	MITEI MEMBERSHIP SEEC	Woskov /Paul P	09/01/08	08/31/09	0	119,979	0
		6918799	C	P067952	OXYGEN ALLIANCE/EXPE	Zeldovich /Nickolai	07/01/08	06/30/16	0	57,403	(0)
		6919043	C	P320000	MITEI MEMBERSHIP SEEC	Hemond /Harold F	12/17/08	08/31/10	0	37,553	0
		6919524	C	P320000	MITEI MEMBERSHIP SEEC	Alexander-Katz /Alfredo	04/01/09	03/31/11	0	147,999	(0)
		6919525	C	P320000	MITEI MEMBERSHIP SEEC	Andersen /Marilyne	09/01/09	08/31/11	0	99,424	0

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		6919526	C	P320000	MITEI MEMBERSHIP SEEC	Baldo /Marc A	04/01/09	12/31/10	0	89,997	0
		6919527	C	P320000	MITEI MEMBERSHIP SEEC	Buongiorno /Jacopo	04/01/09	03/31/11	0	59,944	0
		6919528	C	P320000	MITEI MEMBERSHIP SEEC	Ceyer /Sylvia Teresse	04/01/09	08/31/10	0	99,973	0
		6919529	C	P320000	MITEI MEMBERSHIP SEEC	Green /William H	06/01/09	05/31/11	0	51,999	(0)
		6919530	C	P320000	MITEI MEMBERSHIP SEEC	Kim /Sangbae	06/01/09	05/31/10	0	120,000	0
		6919532	C	P320000	MITEI MEMBERSHIP SEEC	Ratti /Carlo	04/01/09	03/31/11	0	99,745	0
		6919533	C	P320000	MITEI MEMBERSHIP SEEC	Ross /Caroline A	04/01/09	08/31/10	0	120,001	0
		6919534	C	P320000	MITEI MEMBERSHIP SEEC	Cao /Jianshu	04/01/09	03/31/12	0	69,951	0
		6919535	C	P320000	MITEI MEMBERSHIP SEEC	Varanasi /Kripa	04/01/09	06/30/11	0	120,000	(0)
		6920821	C	P320000	MITEI MEMBERSHIP SEEC	Bazant /Martin Z	10/01/09	09/30/11	0	100,000	0
		6920822	C	P320000	MITEI MEMBERSHIP SEEC	Berggren /Karl K	10/01/09	02/28/13	0	150,000	0
		6920823	C	P320000	MITEI MEMBERSHIP SEEC	Grossman /Jeffrey C.	10/01/09	09/30/11	0	100,000	0
		6920824	C	P320000	MITEI MEMBERSHIP SEEC	Halton /Trevor Alan	10/01/09	07/12/11	0	150,000	(0)
		6920825	C	P320000	MITEI MEMBERSHIP SEEC	Kaiser /Chris	10/01/09	09/30/11	0	149,998	0
		6920826	C	P320000	MITEI MEMBERSHIP SEEC	Soljadic /Marin	10/01/09	09/30/11	0	49,674	0
		6920827	C	P320000	MITEI MEMBERSHIP SEEC	Thomas /Edwin L	10/01/09	09/30/11	0	99,957	(0)
		6920828	C	P320000	MITEI MEMBERSHIP SEEC	Tuller /Harry L	10/01/09	09/30/11	0	149,980	(0)
		6920829	C	P320000	MITEI MEMBERSHIP SEEC	Varanasi /Kripa	10/01/09	09/30/11	0	150,000	(0)
		6920847	C	P320000	MITEI MEMBERSHIP SEEC	Polz /Martin F	10/01/09	09/30/11	0	125,000	0
		6920848	C	P320000	MITEI MEMBERSHIP SEEC	Thompson /Carl Vernet	10/01/09	12/31/10	0	64,041	0
		6921149	C	P320000	MITEI MEMBERSHIP SEEC	Thompson /Carl Vernet	03/01/10	07/31/10	0	10,115	0
		6921212	C	P320000	MITEI MEMBERSHIP SEEC	Fink /Yoel	10/01/09	09/30/11	0	50,002	(0)
		6921277	C	P069850	MASTER AGREEMENT	Kirchain /Randolph E	12/17/09	12/31/19	0	491,221	29,719
		6921868	C	P065005	MASTER AGREEMENT	Wong /Victor W	04/30/10	06/30/18	0	132,275	2,708
		6921957	C	P320000	MITEI MEMBERSHIP SEEC	Bazant /Martin Z	05/17/10	05/16/12	0	150,000	(0)
		6921958	C	P320000	MITEI MEMBERSHIP SEEC	Demaine /Erik D	05/17/10	05/16/12	0	149,923	0
		6921959	C	P320000	MITEI MEMBERSHIP SEEC	Hadjiconstantinou /Nicolas	09/01/10	09/30/12	0	149,372	0
		6921960	C	P320000	MITEI MEMBERSHIP SEEC	Jensen /Klavs F	05/17/10	08/31/13	0	149,920	(0)
		6921961	C	P320000	MITEI MEMBERSHIP SEEC	Joannopoulos /John	05/17/10	05/16/12	0	143,917	0
		6921962	C	P320000	MITEI MEMBERSHIP SEEC	Kimerling /Lionel C	08/01/10	09/30/11	0	100,000	0
		6921963	C	P320000	MITEI MEMBERSHIP SEEC	Malcolm /Alison E	05/17/10	05/31/11	0	147,912	(0)
		6921964	C	P320000	MITEI MEMBERSHIP SEEC	Olsen /Bradley D.	05/17/10	05/16/12	0	150,000	0
		6921965	C	P320000	MITEI MEMBERSHIP SEEC	Rudin /Cynthia	08/01/10	07/31/13	0	150,000	0
		6921966	C	P320000	MITEI MEMBERSHIP SEEC	Stephanopoulos /Gregory	09/01/10	05/31/13	0	99,939	0
		6921967	C	P320000	MITEI MEMBERSHIP SEEC	Varanasi /Kripa	06/01/10	12/31/12	0	149,788	(0)
		6921968	C	P320000	MITEI MEMBERSHIP SEEC	Wang /Evelyn	05/17/10	05/16/12	0	99,990	(0)
		6921969	C	P320000	MITEI MEMBERSHIP SEEC	Woskov /Paul P	06/01/10	05/31/11	0	119,951	(0)
		6922100	C	P122172	LEADERSHIP CONSORTIUM	Ancona /Deborah G	05/07/10	05/31/21	0	0	0
		6922101	C	P122172	LEADERSHIP CONSORTIUM	Ancona /Deborah G	05/07/10	11/17/14	0	0	0
		6922102	C	P122172	LEADERSHIP CONSORTIUM	Ancona /Deborah G	05/07/10	05/31/15	0	0	0
		6923622	C	P320000	MITEI MEMBERSHIP SEEC	Buongiorno /Jacopo	04/01/11	01/31/14	0	150,000	(0)
		6923623	C	P320000	MITEI MEMBERSHIP SEEC	Dahleh /Munther A	04/01/11	03/31/13	0	150,000	(0)
		6923624	C	P320000	MITEI MEMBERSHIP SEEC	Dinca /Mircea	04/01/11	03/31/13	0	99,992	(0)
		6923625	C	P320000	MITEI MEMBERSHIP SEEC	Dufflo /Esther	04/01/11	09/30/12	0	133,483	0
		6923626	C	P320000	MITEI MEMBERSHIP SEEC	Einstein /Herbert H	04/01/11	09/30/13	0	150,000	(0)
		6923627	C	P320000	MITEI MEMBERSHIP SEEC	Grossman /Jeffrey C.	04/01/11	02/28/12	0	50,000	(0)
		6923628	C	P320000	MITEI MEMBERSHIP SEEC	Hadjiconstantinou /Nicolas	04/01/11	10/31/13	0	85,024	0
		6923629	C	P320000	MITEI MEMBERSHIP SEEC	Kong /Jing	04/01/11	03/31/13	0	75,000	0
		6923630	C	P320000	MITEI MEMBERSHIP SEEC	Perakis /Georgia	04/01/11	03/15/14	0	90,000	0

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		6923631	C	P320000	MITEI MEMBERSHIP SEEC	Sarma /Sanjay E	04/01/11	03/31/13	0	99,830	0
		6923632	C	P320000	MITEI MEMBERSHIP SEEC	Trumper /David L	04/01/11	03/31/13	0	99,989	0
		6923633	C	P320000	MITEI MEMBERSHIP SEEC	Varanasi /Kripa	04/01/11	03/31/13	0	150,000	(0)
		6923634	C	P320000	MITEI MEMBERSHIP SEEC	Wescoat /James	04/01/11	08/31/13	0	150,000	(0)
		6923635	C	P320000	MITEI MEMBERSHIP SEEC	Zhang /Shuguang	04/01/11	03/31/13	0	150,000	(0)
		6924144	C	P430000	AGMT. DTD. 7/1/06	Hirsch /Paula	06/01/11	06/30/17	0	829,905	(0)
		6924405	C	P430000	AGMT. DTD. 7/1/06	Hirsch /Paula	06/01/11	12/31/13	0	71,134	0
		6925580	C	P320000	MITEI MEMBERSHIP SEEC	Armstrong /Robert C	04/01/12	06/01/15	0	3,378	3,378
		6925581	C	P320000	MITEI MEMBERSHIP SEEC	Blankschtein /Edmundo D	07/01/12	01/15/15	0	150,000	(0)
		6925582	C	P320000	MITEI MEMBERSHIP SEEC	Buie /Cullen	04/01/12	03/31/14	0	69,415	(0)
		6925583	C	P320000	MITEI MEMBERSHIP SEEC	Chisholm /Sallie W	04/01/12	03/31/14	0	150,000	0
		6925584	C	P320000	MITEI MEMBERSHIP SEEC	Dinca /Mircea	07/01/12	12/31/13	0	99,990	0
		6925585	C	P320000	MITEI MEMBERSHIP SEEC	Fitzgerald /Eugene A	04/01/12	04/30/14	0	150,000	(0)
		6925586	C	P320000	MITEI MEMBERSHIP SEEC	Grossman /Jeffrey C.	04/01/12	07/31/13	0	99,977	0
		6925587	C	P320000	MITEI MEMBERSHIP SEEC	Kong /Jing	04/01/12	05/31/14	0	150,000	(0)
		6925588	C	P320000	MITEI MEMBERSHIP SEEC	O'Sullivan /Francis Martin	04/01/12	01/31/17	0	71,622	(0)
		6925589	C	P320000	MITEI MEMBERSHIP SEEC	Perreault /David J	04/01/12	03/31/14	0	74,700	0
		6925590	C	P320000	MITEI MEMBERSHIP SEEC	Reinhart /Christoph	04/01/12	03/31/14	0	149,899	(0)
		6925591	C	P320000	MITEI MEMBERSHIP SEEC	Tuller /Harry L	04/01/12	03/31/14	0	74,981	0
		6925592	C	P320000	MITEI MEMBERSHIP SEEC	Varanasi /Kripa	04/01/12	03/31/14	0	150,000	(0)
		6925593	C	P320000	MITEI MEMBERSHIP SEEC	Williams /John R	04/01/12	11/26/14	0	150,000	0
		6926705	C	P320000	MITEI MEMBERSHIP SEEC	Buie /Cullen	04/01/12	12/01/12	0	5,585	0
		6927073	C	P069400	AGMT. DTD. 10/1/2012	Seering /Warren Paul	10/01/12	12/31/18	30,273	836,187	0
		6927725	C	P039010	MEDIA LAB CONSORTIA	Ito /Joichi	07/01/13	06/30/22	0	129,152,797	128,845,050
		6927880	C	P320000	MITEI MEMBERSHIP SEEC	Williams /John R	06/01/13	05/31/15	0	150,000	0
		6927881	C	P320000	MITEI MEMBERSHIP SEEC	Brushett /Fikile R	04/01/13	03/31/15	0	74,833	0
		6927882	C	P320000	MITEI MEMBERSHIP SEEC	Juanes /Ruben	06/01/13	05/31/16	0	99,993	(0)
		6927883	C	P320000	MITEI MEMBERSHIP SEEC	Kolpak /Alexie M	05/01/13	10/31/14	0	75,000	0
		6927884	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	04/01/13	09/30/14	0	75,037	(0)
		6927885	C	P320000	MITEI MEMBERSHIP SEEC	Leeb /Steven B	09/01/13	07/31/16	0	74,922	(0)
		6927887	C	P320000	MITEI MEMBERSHIP SEEC	Allanore /Antoine	04/01/13	04/30/15	0	75,000	(0)
		6927888	C	P320000	MITEI MEMBERSHIP SEEC	Demaine /Erik D	04/01/13	03/31/15	0	75,000	0
		6927889	C	P320000	MITEI MEMBERSHIP SEEC	Demanet /Laurent	10/01/13	08/31/16	0	143,000	(0)
		6927890	C	P320000	MITEI MEMBERSHIP SEEC	Gradecak /Silvija	04/01/13	07/31/14	0	74,999	(0)
		6927891	C	P320000	MITEI MEMBERSHIP SEEC	Roman /Yuriy	04/15/13	10/31/14	0	34,999	0
		6927892	C	P320000	MITEI MEMBERSHIP SEEC	Selin /Noelle E	04/01/13	03/31/15	0	73,764	0
		6927893	C	P320000	MITEI MEMBERSHIP SEEC	Wang /Evelyn	04/01/13	03/31/15	0	75,000	0
		6928020	C	P039010	MEDIA LAB CONSORTIA	Ito /Joichi	07/01/13	06/30/20	(25)	0	25
		6928021	C	P039010	MEDIA LAB CONSORTIA	Lippman /Andrew B	07/01/13	12/31/19	269,786	994,796	7,871
		6928043	C	P069501	MASTER AGREEMENT	Coughlin /Joseph F	06/01/13	05/31/20	613,979	6,492,187	2,609,630
		6928054	C	P039010	MEDIA LAB CONSORTIA	Ito /Joichi	07/01/13	06/30/20	(4,694)	0	0
		6928055	C	P039010	MEDIA LAB CONSORTIA	Peterson /Linda G	07/01/13	06/30/20	4,576,173	0	(21,436,415)
		6928056	C	P039010	MEDIA LAB CONSORTIA	Degnan /Nicole	07/01/13	06/30/20	8,572	0	(3,641,652)
		6928057	C	P039010	MEDIA LAB CONSORTIA	Peterson /Linda G	07/01/13	06/30/20	0	0	(1,382,416)
		6928058	C	P039010	MEDIA LAB CONSORTIA	Ito /Joichi	07/01/13	06/30/20	41,915	0	(1,466,443)
		6928059	C	P039010	MEDIA LAB CONSORTIA	Bletsas /Michail	07/01/13	06/30/20	262,788	0	(1,222,549)
		6928060	C	P039010	MEDIA LAB CONSORTIA	Holtzman /Henry N	07/01/13	06/30/14	0	0	(10,995)
		6928111	C	P320000	MITEI MEMBERSHIP SEEC	Roman /Yuriy	06/13/13	10/31/14	0	39,999	0

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		6929240	C	P069500	MASTER AGREEMENT	Coughlin /Joseph F	12/01/13	06/30/14	0	7,813	0
		6929338	C	P065005	MASTER AGREEMENT	Wierzbicki /Tomasz	01/01/14	12/31/20	690,162	2,763,399	(501,754)
		6929567	C	P065005	MASTER AGREEMENT- E	Wierzbicki /Tomasz	01/01/14	12/31/20	208,002	948,982	(254,482)
		6929609	C	P039010	MEDIA LAB CONSORTIA	Ito /Joichi	07/01/13	06/30/20	307,286	0	(1,510,161)
		6929753	C	P065004	MASTER AGREEMENT	Hadjiconstantinou /Nicolas	06/01/14	09/30/19	181,402	617,884	39,637
		6929840	C	P320000	MITEI MEMBERSHIP SEEC	Barton /Paul I	04/01/14	08/31/15	0	100,000	0
		6929841	C	P320000	MITEI MEMBERSHIP SEEC	Bazant /Martin Z	04/01/14	03/31/16	0	100,000	(0)
		6929842	C	P320000	MITEI MEMBERSHIP SEEC	Sapsis /Themistoklis Panagioti	04/01/14	03/31/17	0	100,000	0
		6929843	C	P320000	MITEI MEMBERSHIP SEEC	Trancik /Jessica	06/01/14	05/31/15	0	99,976	(0)
		6929844	C	P320000	MITEI MEMBERSHIP SEEC	Bromberg /Leslie	05/01/14	10/31/16	0	100,000	0
		6929845	C	P320000	MITEI MEMBERSHIP SEEC	Buonassisi /Anthony	04/01/14	03/31/16	0	72,243	0
		6929846	C	P320000	MITEI MEMBERSHIP SEEC	Hart /Anastasios John	04/01/14	06/30/17	0	99,740	(0)
		6929847	C	P320000	MITEI MEMBERSHIP SEEC	Kulik /Heather Janine	04/01/14	02/28/15	0	100,000	(0)
		6929848	C	P320000	MITEI MEMBERSHIP SEEC	Holten-Andersen /Niels	04/01/14	08/31/16	0	49,621	(0)
		6929849	C	P320000	MITEI MEMBERSHIP SEEC	Warshaw /Christopher S	04/01/14	12/31/16	0	78,657	0
		6929850	C	P320000	MITEI MEMBERSHIP SEEC	Tisdale /William	04/01/14	03/31/16	0	99,976	0
		6929859	C	P039010	MEDIA LAB CONSORTIA	Resnick /Mitchel J	01/01/14	12/31/16	0	300,000	0
		6930080	C	P320000	UTILITY OF THE FUTURE	Perez-Arriaga /Jose Ignacio	01/01/14	05/01/17	0	2,489,454	(1,971)
		6930095	C	P320000	MITEI MEMBERSHIP SEEC	Johnson /Jeremiah A.	04/01/14	03/31/16	0	50,000	(0)
		6930276	C	P320000	MITEI MEMBERSHIP SEEC	Buonassisi /Anthony	07/01/14	03/31/15	0	27,757	0
		6931049	C	P039010	MEDIA LAB CONSORTIA	Bove /V Michael	07/01/13	12/31/19	25,783	333,825	0
		6931072	C	P069501	MASTER AGREEMENT	Coughlin /Joseph F	11/04/14	01/31/19	25,851	300,000	(85,051)
		6931077	C	P039010	MEDIA LAB CONSORTIA	Slavin /Kevin	07/01/13	08/31/15	0	71,379	0
		6931148	C	P121110	MASTER AGREEMENT	Madnick /Stuart E	11/06/14	01/10/22	0	420,000	320,595
		6931193	C	P039010	MEDIA LAB CONSORTIA	Hidalgo Ramaciotti /Cesar A.	01/01/15	05/31/20	125,564	525,000	48,880
		6931512	C	P039010	MEDIA LAB CONSORTIA	Picard /Rosalind W.	01/15/15	07/31/19	21,786	543,892	57,675
		6931513	C	P039010	MEDIA LAB CONSORTIA	Maes /Patricia	01/15/15	07/31/18	0	83,744	0
		6931753	C	P320000	MITEI MEMBERSHIP SEEC	Checkelsky /Joseph	07/01/15	06/30/17	0	20,409	(0)
		6931754	C	P320000	MITEI MEMBERSHIP SEEC	Ben-Akiva /Moshe E	04/01/15	04/30/18	0	74,081	(0)
		6931755	C	P320000	MITEI MEMBERSHIP SEEC	Fehler /Michael C	04/01/15	10/31/16	0	74,999	0
		6931756	C	P320000	MITEI MEMBERSHIP SEEC	Doyle /Patrick S	06/01/15	12/31/16	0	75,000	0
		6931757	C	P320000	MITEI MEMBERSHIP SEEC	Wang /Evelyn	04/01/15	03/31/17	0	37,496	(0)
		6931758	C	P320000	MITEI MEMBERSHIP SEEC	Hart /Anastasios John	04/01/15	09/30/16	0	75,000	(0)
		6931759	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	06/01/15	11/30/16	0	75,000	(0)
		6931760	C	P320000	MITEI MEMBERSHIP SEEC	Kocar /Benjamin David	09/01/15	08/31/17	0	73,024	0
		6931761	C	P320000	MITEI MEMBERSHIP SEEC	Surendranath /Yogesh	01/01/16	12/31/17	0	75,000	0
		6931762	C	P320000	MITEI MEMBERSHIP SEEC	Varanasi /Kripa	04/01/15	06/30/17	0	75,000	0
		6931763	C	P320000	MITEI MEMBERSHIP SEEC	Hart /Anastasios John	04/01/15	10/31/16	0	37,500	0
		6931801	C	P061093	CONSORTIUM DATED 05/	Leveson /Nancy G	05/01/15	02/28/20	123,788	485,000	125,773
		6932001	C	P039010	MEDIA LAB CONSORTIA	Herr /Hugh M	05/01/15	11/30/17	0	382,906	0
		6932018	C	P039020	AGMT. DTD. 7/1/02	Gershenfeld /Neil A	06/02/15	09/30/15	0	16,012	0
		6932044	C	P320000	MITEI MEMBERSHIP SEEC	Grossman /Jeffrey C.	04/01/15	10/31/16	0	37,491	0
		6932052	C	P320000	MITEI MEMBERSHIP SEEC	Gleason /Karen K	04/01/15	03/31/17	0	37,377	0
		6932598	C	P320000	MITEI MEMBERSHIP SEEC	Checkelsky /Joseph	08/31/15	03/31/16	0	35,826	0
		6932681	C	P069501	AVT CONSORTIUM EXPE	Coughlin /Joseph F	09/01/15	03/31/21	604,292	4,526,215	1,924,244
		6933109	C	P069501	TBD	Coughlin /Joseph F	10/01/15	03/31/18	(5,705)	700,000	3,059
		6933433	C	P069200		Voigt /Christopher A.	01/01/16	05/22/24	6,351	290,000	253,754
		6933857	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	02/01/16	01/31/20	31,841	465,174	28,939
		6933879	C	P320000	MITEI MEMBERSHIP SEEC	Fehler /Michael C	10/01/16	03/31/19	20,646	149,619	237

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		6933880	C	P320000	MITEI MEMBERSHIP SEEC	Sadoway /Donald Robert	04/01/16	03/31/18	0	61,922	0
		6933881	C	P320000	MITEI MEMBERSHIP SEEC	Surendranath /Yogesh	05/01/16	10/31/17	0	49,878	(0)
		6933882	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	05/01/16	08/31/18	5,558	39,846	0
		6933883	C	P320000	MITEI MEMBERSHIP SEEC	Winter /Amos G	04/01/16	08/31/19	(20,726)	100,000	(29)
		6933884	C	P320000	MITEI MEMBERSHIP SEEC	Yildiz /Bilge	06/01/16	10/31/18	20,323	99,987	(0)
		6933885	C	P320000	MITEI MEMBERSHIP SEEC	Williams /John R	06/01/16	05/31/18	0	150,000	(0)
		6933886	C	P320000	MITEI MEMBERSHIP SEEC	Roman /Yuriy	04/01/16	06/30/19	8,674	83,626	(2,033)
		6933887	C	P320000	MITEI MEMBERSHIP SEEC	Gonzalez /Marta C.	04/01/16	03/31/18	(373)	62,201	0
		6933888	C	P320000	MITEI MEMBERSHIP SEEC	Madnick /Stuart E	04/01/16	03/31/18	1,273	128,708	0
		6933986	C	P039010	MEDIA LAB CONSORTIA	Narula /Neha	01/01/16	11/30/20	1,025,948	2,062,500	(212,721)
		6934058	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	01/15/15	07/31/18	709	38,000	(0)
		6934145	C	P039010	MEDIA LAB CONSORTIA	Picard /Rosalind W.	01/15/15	07/31/19	302	9,364	0
		6934248	C	P065004	MASTER AGREEMENT	Hadjiconstantinou /Nicolas	06/05/16	11/15/16	0	6,116	0
		6934423	C	P320000	MITEI MEMBERSHIP SEEC	Roman /Yuriy	06/23/16	09/30/18	212	66,374	0
		6934475	C	P069400	MASTER AGREEMENT	Pentland /Alex Paul	07/11/16	12/31/19	1,637,260	3,725,000	727,135
		6934665	C	P039010	MEDIA LAB CONSORTIA	Picard /Rosalind W.	04/01/16	03/31/20	57,767	300,000	34,842
		6934871	C	P039010	MEDIA LAB CONSORTIA	Maes /Patricia	08/01/16	07/31/17	0	135,000	(0)
		6935070	C	P065005	MASTER AGREEMENT- E	Wierzbicki /Tomasz	09/01/16	12/31/19	74,145	423,000	90,758
		6935078	C	P430000	AGMT. DTD. 7/1/06	Hirsch /Paula	09/01/16	06/30/17	0	0	0
		6935151	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	11/01/16	04/30/17	0	155,000	(0)
		6935318	C	P320000	MITEI MEMBERSHIP SEEC	Checkelsky /Joseph	11/01/16	06/30/17	0	18,734	0
		6935717	C	P320000	MITEI MEMBERSHIP SEEC	Sadoway /Donald Robert	06/20/16	03/31/18	0	5,528	0
		6935788	C	P039010	MEDIA LAB CONSORTIA	Adib /Fadel	09/01/16	01/31/20	43,546	250,000	38,289
		6936299	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	04/01/17	03/31/20	108,591	437,000	199,181
		6936397	C	P320000	MITEI MEMBERSHIP SEEC	Fang /Xuanlai	04/01/17	08/31/19	6,376	109,641	6,022
		6936398	C	P320000	MITEI MEMBERSHIP SEEC	Sarma /Sanjay E	05/01/17	10/31/18	1,115	109,912	(0)
		6936399	C	P320000	MITEI MEMBERSHIP SEEC	Van Voorhis /Troy	05/01/17	04/30/20	36,201	35,000	(1,201)
		6936400	C	P320000	MITEI MEMBERSHIP SEEC	Surendranath /Yogesh	05/01/17	04/30/19	35,000	35,000	0
		6936401	C	P320000	MITEI MEMBERSHIP SEEC	Dinca /Mircea	06/01/17	05/31/19	92,105	110,000	(436)
		6936402	C	P320000	MITEI MEMBERSHIP SEEC	Bazant /Martin Z	04/01/17	09/30/18	(257)	110,000	0
		6936403	C	P320000	MITEI MEMBERSHIP SEEC	Karplus /Valerie Jean	06/01/17	11/30/19	24,357	110,000	(71)
		6936404	C	P320000	MITEI MEMBERSHIP SEEC	Kulik /Heather Janine	06/01/17	05/31/20	25,369	109,721	71,758
		6936405	C	P320000	MITEI MEMBERSHIP SEEC	Turitsyn /Konstantin	04/01/17	03/31/20	0	54,552	26,788
		6936406	C	P320000	MITEI MEMBERSHIP SEEC	Botterud /Audun	04/01/17	09/30/19	43,023	55,000	450
		6936407	C	P320000	MITEI MEMBERSHIP SEEC	Smith /Zachary P	04/01/17	08/31/19	72,039	110,000	(9,014)
		6936416	C	P320000	MITEI MEMBERSHIP SEEC	Daniel /Luca	04/01/17	03/31/20	26,116	54,552	7,616
		6936417	C	P320000	MITEI MEMBERSHIP SEEC	Brushett /Fikile R	04/01/17	09/30/19	(18,300)	55,000	16,859
		6936489	C	P039010	MEDIA LAB CONSORTIA	Paradiso /Joseph A	09/01/17	12/31/18	19,569	180,000	(0)
		6936660	C	P122010	MASTER AGREEMENT	Ross /Jeanne W	07/01/17	06/30/22	5,172,775	16,265,371	6,172,806
		6936753	C	P122010	MASTER AGREEMENT	Ross /Jeanne W	07/01/17	09/14/20	317,122	980,000	361,547
		6936880	C	P039010	MEDIA LAB CONSORTIA	Shah /Pratik	06/01/17	05/31/19	85,881	100,000	(0)
		6937225	C	P039010	MEDIA LAB CONSORTIA	Breazeal /Cynthia Lynn	09/01/17	08/31/18	35,226	150,000	0
		6937229	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	08/01/17	01/31/19	0	34,826	0
		6937392	C	P039010	MEDIA LAB CONSORTIA	Ito /Joichi	08/01/17	07/31/19	42,279	0	(42,279)
		6937476	C	P031000	MASTER AGREEMENT	Tibbits /Skylar	10/01/17	08/31/25	8,021	145,000	108,126
		6937516	C	P039010	MEDIA LAB CONSORTIA	Pentland /Alex Paul	10/01/17	03/31/18	0	50,000	0
		6937518	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	10/01/17	02/15/18	0	10,080	0
		6937754	C	P035000	MIT-CHINA FUTURE CITY	Zheng /Siqi	10/01/17	02/28/22	410,441	1,550,000	916,886

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		6937940	C	P402000	MASTER AGREEMENT	Love /John C	01/01/18	08/31/20	753,126	1,250,000	496,874
		6938029	C	P062000	MIT MLPDS CONSORTIUM	Jensen /Klavs F	01/02/18	01/02/20	129,411	1,350,000	1,197,585
		6938397	C	P039010	MEDIA LAB CONSORTIA	Breazeal /Cynthia Lynn	01/01/18	03/31/20	41,050	122,000	80,609
		6938435	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	04/01/18	12/31/19	211,628	150,000	(68,125)
		6938477	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	03/01/18	02/28/20	71,981	130,000	58,019
		6938495	C	P320000	MITEI MEMBERSHIP SEEC	Gomez-Bombarelli /Rafael	06/01/18	06/30/20	28,275	100,000	71,725
		6938496	C	P320000	MITEI MEMBERSHIP SEEC	Gallant /Betar Maurkah	04/01/18	09/30/19	98,732	100,000	1,268
		6938497	C	P320000	MITEI MEMBERSHIP SEEC	Perez-Arriaga /Jose Ignacio	07/01/18	06/30/19	85,519	100,000	14,481
		6938498	C	P320000	MITEI MEMBERSHIP SEEC	Li /Jing	09/01/18	08/31/20	30,468	100,000	69,532
		6938499	C	P320000	MITEI MEMBERSHIP SEEC	Ghoniem /Ahmed F	06/01/18	11/30/19	38,575	100,000	61,425
		6938500	C	P320000	MITEI MEMBERSHIP SEEC	Yildiz /Bilge	06/01/18	11/30/19	0	0	0
		6938501	C	P320000	MITEI MEMBERSHIP SEEC	Swager /Timothy M	06/01/18	05/31/19	99,998	100,000	2
		6938502	C	P320000	MITEI MEMBERSHIP SEEC	Grossman /Jeffrey C.	04/01/18	03/31/20	100,000	100,000	0
		6938503	C	P320000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	04/01/18	09/30/19	66,167	100,000	33,833
		6938504	C	P320000	MITEI MEMBERSHIP SEEC	Kolpak /Alexie M	04/01/18	03/31/19	0	0	0
		6938505	C	P320000	MITEI MEMBERSHIP SEEC	Manthiram /Karthish	04/01/18	03/31/20	66,500	100,000	26,508
		6938680	C	P039010	MEDIA LAB CONSORTIA	Wood /Danielle Renee	05/01/18	06/30/20	6,875	295,235	288,360
		6938735	C	P039010	MEDIA LAB CONSORTIA	Hidalgo Ramaciotti /Cesar A.	06/01/18	05/31/20	100,000	100,000	0
		6938862	C	P062000	MIT MLPDS CONSORTIUM	Jensen /Klavs F	01/02/18	01/02/20	204,539	325,000	120,461
		6938941	C	P062000	MIT MLPDS CONSORTIUM	Green /William H	01/02/18	01/02/20	82,571	150,000	67,429
		6939077	C	P067952	MIT MLPDS CONSORTIUM	Barzilay /Regina	01/02/18	01/02/20	67,224	325,000	257,776
		6939347	C	P069501	AGREEMENT DTD 8/1/18	Coughlin /Joseph F	08/01/18	07/31/20	107,134	600,000	492,866
		6939439	C	P417500		Kirchain /Randolph E	06/01/18	05/31/20	223,051	241,000	17,949
		6939757	C	P067952	MIT MLPDS CONSORTIUM	Jaakkola /Tommi S	01/02/18	01/02/20	56,167	150,000	93,833
		6940109	C	P039010	MEDIA LAB CONSORTIA	Ito /Joichi	11/01/18	10/31/19	5,965	150,000	144,035
		6940110	C	P039010	MEDIA LAB CONSORTIA	Park /Hae Won	12/21/18	06/21/19	1,602	140,000	138,398
		6940430	C	P039010	MEDIA LAB CONSORTIA	Maes /Patricia	10/01/18	05/31/20	3,999	0	(3,999)
		6940495	C	P266300		Triantafyllou /Michael S	03/01/19	02/28/21	0	50,000	50,000
		6941075	C	P062000	MITEI MEMBERSHIP SEEC	Hatton /Trevor Alan	05/01/19	10/31/20	0	0	0
		7082900	C	P266300	MASTER CONSORTIUM	Vandiver /John Kim	07/01/88	06/30/22	205,018	3,618,235	240,037
		7185300	C	P063007	IESL AFFILIATES PROGR	Williams /John R	03/01/89	06/30/13	0	1,428,645	(226,365)
		7277900	C	P065005	MASTER AGREEMENT	Tian /Tian	07/01/89	02/28/20	819,180	17,467,181	596,818
		7296100	C	P063007	PRIOR MEMBERSHIP	Logcher /Robert D	09/01/89	08/31/91	0	373,180	0
		7296200	C	P063007	PRIOR MEMBERSHIP	Lerman /Steven R	09/01/89	08/31/91	0	146,108	0
		7470800	C	P063007	PRIOR MEMBERSHIP	Lerman /Steven R	09/01/89	08/31/91	0	35,596	(0)
		7523600	C	P401800	PRIOR MEMBERSHIP	Lerman /Steven R	04/01/91	08/31/92	0	253,928	(0)
		7588300	C	P063007	PRIOR MEMBERSHIP	Hudson /Donna J	09/01/91	12/31/93	0	71,104	0
		7631500	C	P122030	PRIOR AGREEMENT	Malone /Thomas W	10/01/91	04/14/20	49,155	3,715,784	78,070
		7711800	C	P063007	PRIOR MEMBERSHIP	Hudson /Donna J	06/01/92	12/31/93	0	100,124	0
		7773900	C	P121110	MASTER AGREEMENT	Madnick /Stuart E	09/01/92	12/31/20	13,170	457,886	563
		7774000	C	P121110	PRIOR MEMBERSHIP	Madnick /Stuart E	09/01/92	06/30/21	0	223,768	0
		9491100	C	P069850	MASTER AGREEMENT	Clark /Joel P	04/01/84	12/31/19	54,383	2,904,630	109,063
	006154 The Hong Kong University of Science & Technology	6931835	C	P065005	ITS/248/14FP	Shao-Horn /Yang	03/16/15	06/15/17	0	256,373	(0)
		6931920	C	P069850	ITS/248/14FP	Thompson /Carl Vernet	03/16/15	06/15/17	0	275,671	(0)
	<b>Total by Primary Sponsor</b>								<b>23,951,148</b>	<b>346,831,014</b>	<b>149,530,717</b>
005030 American Association For	005030 American Assoc	6939488	G	P062000	AGREEMENT EFFECTIVE	Kulik /Heather Janine	12/13/18	12/31/20	1,500	50,000	48,500

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Association For The Advance.Sci	<b>Total by Primary Sponsor</b>								<b>1,500</b>	<b>50,000</b>	<b>48,500</b>
005035 American Association For Lab Animal Scie	005035 American Assoc	6938940	G	P402100	GLAS LETTER DTD 6/7/18	Patterson /Mary M	06/15/18	12/15/19	4,935	4,915	(21)
	<b>Total by Primary Sponsor</b>								<b>4,935</b>	<b>4,915</b>	<b>(21)</b>
005044 American Association For Cancer Research	005044 American Association For Cancer Research	6934470	G	P402000	SU2C-AACR-IRG-09-16	Vander Heiden /Matthew G.	07/01/16	06/30/19	215,925	750,000	351
		6936695	G	P402000	17-20-47-BIRN	Birnbaum /Michael E	07/01/17	06/30/19	90,350	200,000	11,035
		6936715	G	P402000	SU2C-AACR-PS18	Vander Heiden /Matthew G.	07/01/17	06/30/19	29,991	125,000	55,341
		6936951	G	P402000	SU2C-AACR-PS18	Vander Heiden /Matthew G.	07/01/17	06/30/19	59,631	125,000	42,796
		6937761	G	P402000	17-80-44-KOEI	Koehler /Angela Nicole	12/01/17	11/30/18	24,939	24,939	0
	<b>Total by Primary Sponsor</b>								<b>420,836</b>	<b>1,224,939</b>	<b>109,523</b>
005050 American Cancer Society, Incorporated	005050 American Cancer Society, Incorporated	6929863	G	P151070	125792-RSG-14-039-01-CS	Martin /Adam C	07/01/14	06/30/19	124,593	792,000	5,215
		6938888	G	P152000	RSG-18-122-01-CSM	Shoulders /Matthew D.	07/01/18	08/31/19	241,232	696,000	454,768
		6938912	G	P152000	RSG-18-122-01-CSM	Shoulders /Matthew D.	07/01/18	06/30/19	0	96,000	96,000
	<b>Total by Primary Sponsor</b>								<b>365,825</b>	<b>1,584,000</b>	<b>555,983</b>
005055 American Chemical Society	005055 American Chemical Society	6934315	G	P062000	PRF # 56719-DN19	Swan /James W	09/01/16	08/31/19	9,984	110,000	8,943
		6936736	G	P152000	PRF # 57690-ND3	Cummins /Christopher C	09/01/17	08/31/19	69,621	110,000	8,594
		6938864	G	P062000	PRF# 59256-DNI7	Smith /Zachary P	09/01/18	08/31/20	30,604	108,000	77,396
	<b>Total by Primary Sponsor</b>								<b>110,209</b>	<b>328,000</b>	<b>94,932</b>
005065 American Heart Association	005065 American Heart Association	6930357	G	P267600	14CSA20500002	Lu /Timothy K	07/01/14	06/30/18	23,536	375,150	72,895
		6930651	G	P267600	14CSA20500002	Lu /Timothy K	07/01/14	06/30/18	0	374,851	14,000
		6931995	G	P151065	15GRNT25670044	Boyer /Laurie Ann	07/01/15	06/30/18	19,043	198,000	0
	006570 Massachusetts General Hospital	6935514	G	P267600	FUND #229460	Lu /Timothy K	07/01/16	06/30/17	1,108	88,000	74,437
		6937624	G	P267600	FUND #229460	Lu /Timothy K	07/01/17	06/30/18	1,587	68,000	59,836
		6939382	G	P267600	FUND #229460	Lu /Timothy K	07/01/18	06/30/19	62,498	68,000	5,502
	<b>Total by Primary Sponsor</b>								<b>107,772</b>	<b>1,172,000</b>	<b>226,671</b>
005077 Philips Healthcare	005077 Philips Healthcare	6936683	G	P061904	EXH B-10: PO 4520209166	Szolovits /Peter	02/01/17	07/31/19	170,294	500,000	48,287
	<b>Total by Primary Sponsor</b>								<b>170,294</b>	<b>500,000</b>	<b>48,287</b>
005150 Anonymous Foundation	005150 Anonymous Foundation	6923439	G	P091020	GRANT NO: 3551	Olken /Benjamin	01/01/11	12/31/18	0	211,016	(1,644)
		6927963	G	P091020	GRANT NO: 3551	Olken /Benjamin	01/01/11	12/31/18	0	1,231,906	0
		6930373	G	P091020	GRANT NO. 5089	Glennester /Rachel	07/01/14	06/30/18	0	100,000	(2,300)
		6930374	G	P091020	GRANT NO. 5006	Glennester /Rachel	05/01/14	06/30/18	27,355	360,911	(157,678)
		6932793	G	P091020	5521	Olken /Benjamin	10/01/15	12/31/21	150,762	587,644	194,228
		6934091	G	P091020	GRANT NO. 5976	Glennester /Rachel	06/01/16	05/31/18	0	125,739	0
		6934234	G	P091020	GRANT NO. 5976	Glennester /Rachel	06/01/16	05/31/18	0	76,035	0
		6937368	G	P091020	12679	Sautmann /Anja	07/01/17	05/31/19	479,657	350,000	(433,911)
		6937592	G	P091020	12679	Sautmann /Anja	07/01/17	05/31/19	280,916	150,000	(522,439)
		6937593	G	P091020	12679	Sautmann /Anja	07/01/17	05/31/19	22,172	100,000	(33,784)
		6937594	G	P091020	12679	Sautmann /Anja	07/01/17	05/31/19	15,369	200,000	179,131

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**Massachusetts Institute of Technology**  
**Research Expenditures by Primary Sponsor**  
**Fiscal Year 2019**

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6938095	G	P091020	13060	Duflo /Esther	12/01/17	06/30/19	7,712	37,500	(559)
	Total by Primary Sponsor								983,944	3,530,750	(778,955)
005157 ASML	005157 ASML	6919311	C	P267110	PO 231016082	Trumper /David L	01/30/09	12/31/20	195,590	1,629,261	104,837
		6922117	C	P069700	PO 6481452	Trumper /David L	03/01/10	12/31/14	0	25,160	0
		6931523	C	P267200	PO 6786212/ PO 6568346 , PO 6481452 / PO 6428354	Trumper /David L	02/01/15	12/31/18	0	51,586	0
		6938151	C	P267110	PO 231016082	Trumper /David L	02/01/18	12/31/20	4,652	36,500	20,287
	Total by Primary Sponsor								200,242	1,742,507	125,123
005164 Ferrari S.p.A.	005164 Ferrari S.p.A.	6893520	C	P065005	OA#99025367-CF#19655-C	Tian /Tian	06/01/02	12/31/19	151	688,064	16,364
		6937135	G	P065005	PO# 053045780	Winter /Amos G	04/01/17	12/31/18	186,339	301,123	(42)
	Total by Primary Sponsor								186,490	989,187	16,322
005165 Applied Physics Lab of Johns Hopkins	007360 Smithsonian Ins	6940403	C	P159600	SV9-89008	Richardson /John D	10/01/18	09/30/19	1,075	33,980	32,905
	007617 University of Mi	6936077	C	P401710	A005821704/PRIME 13718	Foster /John C	07/15/16	08/31/19	80,039	304,670	25,035
	007634 University of Ne	6934481	C	P401710	17-005	Foster /John C	07/15/16	09/03/19	81,540	292,984	23,440
	Total by Primary Sponsor								162,655	631,634	81,380
005173 Arizona State University	005173 Arizona State U	6934724	G	P159900	OTH00000328	Kelsey /James E	08/01/16	04/30/19	199,107	648,000	15,736
	Total by Primary Sponsor								199,107	648,000	15,736
005198 Veeco Instruments, Incorporated	005198 Veeco Instruments, Incorporated	6939520	C	P065005	SRA DTD. 10/9/2018	Slocum /Alexander H	09/01/18	08/31/20	48,693	446,700	398,007
		6941089	C	P065005	SRA DTD. 10/9/2018	Slocum /Alexander H	01/01/19	12/31/19	0	58,300	58,300
	Total by Primary Sponsor								48,693	505,000	456,307
005209 Arnold And Mabel Beckman Foundation	005209 Arnold And Mabel Beckman Foundation	6932156	G	P061901	AGMT DTD 6/17/2015	Shalek /Alexander K	09/01/15	08/31/19	138,291	751,590	5,180
		6934355	G	P152000	LTR. AGREEMENT DTD. 0	Schlau-Cohen /Gabriela S	06/01/16	08/31/19	224,675	562,500	101,409
		6935723	G	P151002	LETTER DATED FEB 1, 20	Schwartz /Thomas	07/01/17	06/30/24	1,750,000	2,500,000	0
		6936187	G	P267600	AGMT DTD 4/6/17	Fujimoto /James G	09/01/17	08/31/19	100,642	300,000	145,125
		6938532	G	P159300	AGMT DATED 4/10/18	Bear /Mark	09/01/18	08/31/21	137,965	200,000	62,035
	Total by Primary Sponsor								2,351,572	4,314,090	313,749
005214 Shell International Exploration & Production, Inc.	005214 Shell International Exploration & Production, Inc.	6921907	C	P320000	SHELL MITEI FOUNDING I	Armstrong /Robert C	04/01/10	04/30/21	0	300,365	300,365
		6922053	C	P320000	SHELL CONTRACT NO. GI	Germaine /John T	04/15/10	10/31/13	0	95,529	(0)
		6922139	C	P320000	SHELL CONTRACT NO. GI	Armstrong /Robert C	04/01/10	01/10/20	0	602,653	602,653
		6924294	C	P320000	SHELL CONTRACT NO. GI	Ceyer /Sylvia Teresse	06/01/11	05/31/13	0	199,980	0
		6924295	C	P320000	SHELL CONTRACT NO. GI	Ghoniem /Ahmed F	09/01/11	08/31/13	0	200,000	0
		6924968	C	P320000	SHELL CONTRACT NO. GI	Varanasi /Kripa	07/01/11	12/31/17	(1,332)	1,639,934	(453)
		6924969	C	P320000	SHELL CONTRACT NO. GI	Ulm /Franz-Josef	09/01/11	08/31/16	0	2,500,000	(0)
		6925132	C	P320000	PO #4550161075	Indyk /Piotr	12/01/11	11/30/19	20,798	1,638,747	52,322
		6925133	C	P320000	CONTRACT# GFSTE1000	Freeman /William T	12/01/11	05/31/18	0	3,364,587	0
		6925154	C	P320000	SHELL MITEI FOUNDING I	Buyukozturk /Oral	12/01/11	05/31/18	(0)	2,000,000	0
		6925199	C	P320000	SHELL MITEI FOUNDING I	Poggio /Tomaso A	12/01/11	11/30/19	185,634	1,159,597	27,406
		6925200	C	P320000	SHELL MITEI FOUNDING I	Jaakkola /Tommi S	12/01/11	11/30/17	0	369,168	0

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		6925201	C	P320000	SHELL MITEI FOUNDING I	Freeman /William T	12/01/11	04/30/15	0	193,409	0
		6925313	C	P320000	SHELL MITEI FOUNDING I	Adelson /Edward H	12/01/11	11/30/17	0	875,000	(0)
		6925314	C	P320000	SHELL MITEI FOUNDING I	Durand /Frederic	12/01/11	11/30/17	0	871,970	(0)
		6925315	C	P320000	SHELL MITEI FOUNDING I	Fisher /John W	12/01/11	11/30/17	0	870,720	0
		6925538	C	P320000	SHELL - MITEI CONTRAC	Reilly /John M	09/01/11	08/31/17	0	625,000	(0)
		6925837	C	P320000	SHELL MITEI FOUNDING I	Indyk /Piotr	06/01/12	08/15/12	0	16,856	0
		6925884	C	P320000	SHELL MITEI FOUNDING I	Liu /Yuming	02/15/12	03/31/14	0	312,210	(0)
		6925910	C	P320000	SHELL CONTRACT NO. G	Wierzbicki /Tomasz	01/01/12	12/31/13	0	200,000	(0)
		6926393	C	P320000	SHELL MITEI FOUNDING I	Buyukozturk /Oral	09/01/12	05/31/13	0	60,000	0
		6926394	C	P320000	SHELL CONTRACT NO. G	Varanasi /Kripa	09/01/12	05/31/13	0	60,000	0
		6926519	C	P320000	MITEI FDG MBR; PO 4550	Chandrakasan /Anantha P	07/01/12	08/31/16	0	650,000	0
		6926530	C	P320000	SHELL CONTRACT NO. G	Grossman /Jeffrey C.	09/01/12	01/15/14	0	59,653	0
		6926543	C	P320000	SHELL CONTRACT NO. G	Strano /Michael S.	10/01/12	09/30/14	0	200,000	(0)
		6926708	C	P320000	MITEI FDG MBR; PO 4550	Belcher /Angela M	04/01/12	09/30/17	0	1,399,844	(0)
		6926937	C	P320000	MITEI FDG MBR; PO 4550	Gleason /Karen K	07/01/12	08/31/16	0	250,000	0
		6927412	C	P320000	SHELL-MITEI FDG MEMBE	Ghoniem /Ahmed F	09/01/12	01/31/15	0	66	0
		6927413	C	P320000	SHELL-MITEI FDG MEMBE	Hemond /Harold F	09/01/12	01/31/15	0	177,497	(0)
		6927490	C	P320000	SHELL MITEI FDG MEMBE	Hager /Bradford H	01/01/13	12/31/16	0	749,999	0
		6927575	C	P320000	PO 4550121657	Grossman /Jeffrey C.	03/01/13	02/28/17	0	680,000	0
		6927737	C	P320000	SHELL MITEI FOUNDING I	Poggio /Tomaso A	05/27/13	08/31/13	0	30,282	0
		6928381	C	P320000	SHELL-MITEI FDG MEMBE	Hemond /Harold F	02/07/13	01/31/15	0	22,437	0
		6928509	C	P320000	MITEI FDG MEMBER/PO 4	Yue /Dick K. P.	08/01/13	01/31/15	0	148,892	0
		6929074	C	P320000	SHELL CONTRACT NO. G	Gradecak /Silvija	10/01/13	06/30/15	0	200,000	(0)
		6929104	C	P320000	SHELL MITEI FOUNDING I	Indyk /Piotr	01/01/14	11/30/17	0	240,000	(0)
		6929108	C	P320000	PT44795 PO 4550103329	Fisher /John W	02/01/14	03/31/18	10,294	400,000	379
		6929109	C	P320000	PT44796 PO 4550103789	Freeman /William T	02/01/14	01/31/18	0	212,207	(0)
		6929417	C	P320000	PT439-49/PO4550096753	Liu /Yuming	02/01/14	01/31/15	0	111,503	(0)
		6929480	C	P320000	MITEI FDG MBR; PO 4550	Belcher /Angela M	09/01/13	09/30/14	0	60,000	(0)
		6929737	C	P320000	PT44885 PO 4550101027 F	Edelman /Alan	03/15/14	03/14/17	0	315,000	(0)
		6930039	C	P320000	SHELL - MITEI CONTRAC	Reilly /John M	05/01/14	08/31/17	0	240,000	0
		6930040	C	P320000	PT44796 PO TBD	Durand /Frederic	02/01/14	01/31/17	0	244,960	0
		6930081	C	P320000	UTILITY OF THE FUTURE	Perez-Arriaga /Jose Ignacio	01/01/14	05/31/16	0	120,000	0
		6930082	C	P320000	UTILITY OF THE FUTURE	Perez-Arriaga /Jose Ignacio	01/01/14	05/31/16	0	120,000	0
		6930174	C	P320000	PT46708 PO 4550100618,	Katz /Boris	06/01/14	08/31/15	0	98,432	(0)
		6930320	C	P320000	MITEI FDG MEMBER/PO 4	Yue /Dick K. P.	07/15/14	01/31/15	0	11,314	0
		6930470	C	P320000	SHELL CONTRACT PT482	Ono /Shuhei	09/01/14	05/31/16	0	29,974	0
		6930496	C	P320000	PT44885 PO 4550101027	Germaine /John T	03/15/14	03/14/16	0	157,000	0
		6931029	C	P320000	SHELL CONTRACT NO. G	Grossman /Jeffrey C.	09/01/14	08/31/15	0	100,000	(0)
		6931030	C	P320000	SHELL CONTRACT NO. G	Swan /James W	02/01/15	08/31/17	0	197,367	(0)
		6931142	C	P320000	SHELL CONTRACT NO. G	Hart /Anastasios John	09/01/14	03/31/16	0	100,000	0
		6931143	C	P320000	SHELL CONTRACT PT482	Ono /Shuhei	09/01/14	05/31/16	0	119,801	0
		6931260	C	P320000	SHELL CONTRACT PT503	Ceyer /Sylvia Teresse	09/01/14	08/31/17	0	62,500	(0)
		6931355	C	P320000	SHELL CONTRACT PT503	Ceyer /Sylvia Teresse	09/01/14	08/31/15	0	60,000	0
		6931356	C	P320000	SHELL CONTRACT PT503	Ceyer /Sylvia Teresse	09/01/14	08/31/15	0	60,000	0
		6931559	C	P320000	SHELL PO 4550055813, SI	Broderick /Tamara A	12/01/11	02/28/18	0	71,072	(0)
		6931560	C	P320000	SHELL PO 4550055813, SI	Jegelka /Stefanie Sabrina	12/01/11	11/30/17	0	62,869	(0)
		6932674	C	P320000	SHELL CONTRACT PT503	Ceyer /Sylvia Teresse	09/01/15	08/31/16	0	60,000	0
		6933668	C	P320000	PT61645 - PO 4550149970	Pellenq /Roland Jm	03/01/16	02/28/18	(0)	350,000	(0)
		6934132	C	P320000	SHELL CONTRACT NO. G	Strano /Michael S.	06/01/16	05/31/18	25,547	200,000	2,976

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6934137	C	P320000	PT62722 PO4550134160	Wierzbicki /Tomasz	05/01/16	01/31/17	0	100,000	(0)
		6934141	C	P320000	SHELL CONTRACT NO. G	Roman /Yuriy	06/01/16	11/15/18	16,363	200,000	0
		6934196	C	P320000	SHELL CONTRACT NO. G	Brushett /Fikile R	06/01/16	05/31/18	(2,980)	200,000	0
		6934373	C	P320000	PT62881--PO-4550138611	Buyukozturk /Oral	06/01/16	09/30/17	0	49,993	0
		6934374	C	P320000	PT61645 - PO 4550131491	Buyukozturk /Oral	06/01/16	05/31/18	0	60,000	0
		6934386	C	P320000	SHELL MITEI FOUNDING I	Buyukozturk /Oral	12/01/15	05/31/18	0	59,998	(0)
		6935054	C	P320000	SHELL CONTRACT PT503	Ceyer /Sylvia Teresse	07/01/16	08/31/17	0	59,979	0
		6935055	C	P320000	SHELL CONTRACT PT503	Ceyer /Sylvia Teresse	07/01/16	08/31/17	0	60,000	0
		6935057	C	P320000	PO 4550170287	Ono /Shuhei	11/01/16	07/31/20	14,508	43,457	8,081
		6935058	C	P320000	TBD	Ono /Shuhei	11/01/16	07/31/18	12,758	82,999	(0)
		6935429	C	P320000	PT69492 - PO 4550141294	Goulthorpe /Mark	11/01/16	03/31/19	87,724	216,665	296
		6935613	C	P320000	PT69492 - PO 4550141294	Goulthorpe /Mark	11/01/16	07/31/18	(10,952)	0	0
		6936439	C	P320000	PT73360	Buongiorno /Jacopo	01/01/17	12/31/18	99,898	249,993	(0)
		6937058	C	P320000	SHELL PO 4550153474	Buyukozturk /Oral	06/01/17	11/30/20	0	0	0
		6937059	C	P320000	SHELL MITEI FOUNDING I	Buyukozturk /Oral	06/01/17	11/30/20	423,728	975,386	356,427
		6937060	C	P320000	SHELL MITEI FOUNDING I	Freeman /William T	06/01/17	11/30/20	296,079	230,195	(65,883)
		6937061	C	P320000	SHELL MITEI FOUNDING I	Buyukozturk /Oral	06/01/17	11/30/20	4,104	4,104	(0)
		6937513	C	P320000	PO 4550176065	Summons /Roger E	08/01/17	12/31/19	219,185	458,031	165,938
		6937646	C	P320000	PO #4550155123	Belcher /Angela M	10/01/17	09/30/20	410,843	600,000	(82,215)
		6937653	C	P320000	PO# 4550157812	Willard /Adam P.	11/01/17	10/31/19	120,033	165,625	(4,956)
		6937670	C	P320000	PT78773, PO# 4550155940	Varanasi /Kripa	09/01/17	08/31/20	3,615	100,000	122,946
		6937702	C	P320105	PO 4550149738	Shao-Horn /Yang	11/01/17	10/31/20	(1,482)	0	0
		6937916	C	P320000	SHELL MITEI FOUNDING I	Durand /Frederic	06/01/17	11/30/20	131,563	230,195	55,076
		6937969	C	P320105	PO 4550149738	Grossman /Jeffrey C.	11/01/17	10/31/20	106,142	250,000	96,719
		6937970	C	P320105	PO 4550149738	Shao-Horn /Yang	11/01/17	10/31/20	146,686	250,000	66,347
		6938302	C	P320105	PO 4550159168	Checkelsky /Joseph	01/22/18	01/21/21	0	0	0
		6938377	C	P320105	PO 4550159168	Checkelsky /Joseph	01/22/18	01/21/21	221,671	390,778	88,932
		6938378	C	P320105	PO 4550159168	Fu /Liang	01/22/18	01/21/21	80,311	293,937	94,822
		6938379	C	P320105	PO 4550159168	Gedik /Nuh	01/22/18	01/21/21	101,954	271,351	142,382
		6938466	C	P320000	PO #4550155123	Belcher /Angela M	10/01/17	09/30/20	56,758	0	0
		6939005	C	P320000	CONTRACT #CW115385/ I	Bazant /Martin Z	05/01/18	04/30/21	80,359	84,375	4,016
		6939037	C	P320105	PO 4550159168	Checkelsky /Joseph	07/01/18	08/31/19	56,513	73,580	17,067
		6939326	C	P320105	PO 4550159168	Gedik /Nuh	08/01/18	03/01/19	15,354	15,354	0
		6939955	C	P320000	SHELL MITEI FOUNDING I	Olivetti /Elsa A	09/01/18	08/31/19	35,604	0	(35,604)
		6940233	C	P320000	SHELL CONTRACT NO. G	Nepf /Heidi	01/11/19	05/31/20	38,369	200,000	161,631
		6940237	C	P320000	CONTRACT #CW115385/ I	Shao-Horn /Yang	05/01/18	04/30/21	90,361	144,081	53,720
		6940282	C	P320000	PO 4550171405	Varanasi /Kripa	09/01/18	08/31/21	26,495	200,000	173,505
		6940292	C	P320000	PO#4550169865	Kim /Yoon Jeon	10/01/18	09/30/19	26,406	100,000	73,594
		<b>Total by Primary Sponsor</b>							<b>3,148,910</b>	<b>32,948,469</b>	<b>2,478,488</b>
005250 Battelle Memorial Institute	005250 Battelle Memorial Institute	6923291	C	P065005	SUBCONTRACT 449896	Schmidt /Henrik	01/15/11	08/23/18	153,161	1,575,070	159,458
		6924926	C	P065005	PO508560	Schmidt /Henrik	11/01/11	09/30/18	(22,696)	749,987	0
		6928166	C	P067952	SUBCONTRACT 251192	Leonard /John J	07/01/13	01/14/16	0	124,930	0
		6935612	C	P065004	PO 427523 MOD 03	Hosoi /Anette E	07/01/16	08/31/17	0	2	2
		6935617	C	P065004	PO 427523 MOD 02	Hosoi /Anette E	07/01/16	08/31/17	0	101,882	(0)
		6935618	C	P065004	PO 427523 MOD 02	Hosoi /Anette E	07/01/16	08/31/17	0	101,882	(0)
		6935627	C	P067900	SUBAWARD 251152/PO44	Leonard /John J	01/15/11	08/23/18	11,225	100,000	1,218
		6938816	G	P065005	PO# 715913	Schmidt /Henrik	06/01/18	04/30/20	140,817	278,480	135,369

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	<b>Total by Primary Sponsor</b>								<b>282,507</b>	<b>3,032,233</b>	<b>296,048</b>
005260 Beth Israel Deaconess Medical Center	005260 Beth Israel Deaconess Medical Center	6937358	C	P121012	AGMT. DTD. 09/01/17	Bertsimas /Dimitris J	09/01/17	08/31/19	190,895	400,000	72,396
		6940428	G	P061902	01024449	Greenberg /Julie E	09/01/18	05/31/19	57,621	57,290	(331)
	<b>Total by Primary Sponsor</b>								<b>248,515</b>	<b>457,290</b>	<b>72,066</b>
005265 Boston College	005265 Boston College	6940752	G	P122070	5107171-S3	Schmidt /Lawrence David Warre	05/01/19	04/30/20	7,411	45,000	37,589
	<b>Total by Primary Sponsor</b>								<b>7,411</b>	<b>45,000</b>	<b>37,589</b>
005299 Mitsubishi Electric Research Laboratory (MERL)	005299 Mitsubishi Elect	6939685	C	P067952		Torralba /Antonio	10/22/18	10/21/19	0	170,000	170,000
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>170,000</b>	<b>170,000</b>
005321 Brigham & Women's Hospital	005321 Brigham & Women's Hospital	6939319	G	P061901	BPS296	Edelman /Elazer R	09/01/17	08/31/18	61,638	61,473	(165)
		6940125	G	P061901	BPS296	Edelman /Elazer R	09/01/18	08/31/19	77,780	50,668	(27,112)
	<b>Total by Primary Sponsor</b>								<b>139,417</b>	<b>112,141</b>	<b>(27,276)</b>
005335 Burroughs Wellcome Fund	005335 Burroughs Wellcome Fund	6927990	G	P165000	1012566 AGMT DATED 5/2	Ribbeck /Katharina	06/01/13	03/31/18	252	600,000	(0)
		6934532	G	P039000	1016432	Esvelt /Kevin Michael	07/15/16	08/31/21	105,451	250,000	(53,958)
		6936757	G	P402000	BWF 2017 TRAVEL GRANT AWARD	Zimmermann /Dennis Alexander	02/01/18	12/31/18	5,005	9,825	0
	<b>Total by Primary Sponsor</b>								<b>110,708</b>	<b>859,825</b>	<b>(53,958)</b>
005365 Novartis Pharmaceuticals Corp.	005365 Novartis Pharm	6939361	C	P402000	AGMT DTD 05/29/18	Chen /Jianzhu	05/29/18	05/28/19	73,023	60,000	(13,023)
	<b>Total by Primary Sponsor</b>								<b>73,023</b>	<b>60,000</b>	<b>(13,023)</b>
005410 CalTech - Jet Propulsion Lab	005165 Applied Physics Lab of Johns Hopkins	6932977	C	P153000	130359	Soderblom /Jason	11/19/15	06/26/22	0	27,978	(0)
		6936010	C	P153000	130359	Soderblom /Jason	02/26/17	10/28/18	12,040	39,713	0
		6939800	C	P153000	130359	Soderblom /Jason	10/28/18	06/26/22	14,309	30,727	16,418
	005410 CalTech - Jet P	6940616	C	P159600	RSA 1622205	Simcoe /Robert A	02/05/19	09/27/20	0	11,750	11,750
	<b>Total by Primary Sponsor</b>								<b>26,349</b>	<b>110,168</b>	<b>28,168</b>
005420 Carnegie Corporation	005420 Carnegie Corporation	6928648	G	P097500	B8429.R01	Tirman /John	10/01/13	09/30/21	24,213	206,141	40,767
		6939019	G	P097500	G-18-55813	Posen /Barry R	07/01/18	06/30/20	587,459	670,000	82,541
	<b>Total by Primary Sponsor</b>								<b>611,672</b>	<b>876,141</b>	<b>123,308</b>
005448 Charles A Dana Foundation	005448 Charles A. Dana	6937979	G	P400600	LETTER DATED 9-7-2017	Harnett /Mark Thomas	09/07/17	09/07/20	74,609	200,000	112,213
	<b>Total by Primary Sponsor</b>								<b>74,609</b>	<b>200,000</b>	<b>112,213</b>
005453 The Chinese University of Hong Kong	005453 The Chinese Un	6934043	C	P067952	TM1610885	Terman /Christopher J	10/30/16	05/31/19	2,414	450,000	353,985
	<b>Total by Primary Sponsor</b>								<b>2,414</b>	<b>450,000</b>	<b>353,985</b>
005460 Children's Hospital Boston	005460 Children's Hospital Boston	6937045	G	P400600	GENFD0001414577	Feng /Guoping	07/01/17	06/30/18	9,056	154,301	0
		6938808	C	P061901	AGMT. DTD. 5/17/18	Heldt /Thomas	09/01/17	08/31/18	74,427	80,000	0
		6940310	G	P402000	PO GENFD0001585132	Hammond /Paula T	01/01/19	12/31/19	3,310	60,000	56,690

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	<b>Total by Primary Sponsor</b>								<b>86,792</b>	<b>294,301</b>	<b>56,690</b>
005573 Amyotrophic Lateral Sclerosis Association	005573 Amyotrophic La	6937782	G	P267600	18-IIA-403	Lu /Timothy K	10/01/17	03/31/19	26,683	50,000	23,317
	<b>Total by Primary Sponsor</b>								<b>26,683</b>	<b>50,000</b>	<b>23,317</b>
005599 L'Oreal USA Products, Inc	005599 L'Oreal USA Products, Inc.	6932106	C	P065004	PO 4200382802 KATHLEE	Hunter /Ian	12/01/15	07/31/18	4,418	461,121	0
		6936123	C	P062000	AGREEMENT EFFECTIVE	Doyle /Patrick S	05/01/17	09/30/19	119,318	229,439	7,894
		6937287	G	P065005	PO 4200483694	McKinley /Gareth H	09/01/17	09/30/19	167,199	289,000	49,665
		6937496	C	P062000	RESEARCH AGREEMENT	Olsen /Bradley D.	12/01/17	05/31/19	78,720	138,430	4,676
	<b>Total by Primary Sponsor</b>								<b>369,655</b>	<b>1,117,991</b>	<b>62,235</b>
005678 Draper Laboratory Incorporated	005678 Draper Laboratory Incorporated	6934083	C	P067952	SC001-0000001002	Kaelbling /Leslie P	02/01/16	12/31/18	154,949	580,175	51
		6934431	C	P067952	SC001-0000001002	Tedrake /Russell L	02/01/16	12/31/18	261,274	631,737	(92,572)
		6934432	C	P067952	SC001-0000001002	Torralba /Antonio	02/01/16	12/31/18	63,022	309,375	97,009
		6937902	C	P067952	SC001-0000001177	Matusik /Wojciech	11/01/17	06/30/18	24,175	100,000	8,093
		6939542	C	P069850	SC001-0000001229	Hu /Juejun	02/01/18	12/31/19	132,533	90,000	(42,533)
		6939654	C	P417500	SC001-0000001229	Ross /Caroline A	02/01/18	12/31/19	164,903	150,000	(14,903)
		6939802	C	P417500	TBD	Jaramillo /Rafael	10/01/18	06/30/19	0	119,023	119,023
		6940383	C	P066000	AGREEMENT DTD 2/1/19	Hu /Juejun	02/01/19	06/30/19	5,191	13,000	7,809
		6940623	C	P267200	AGMT DATED 2/1/2019	Ram /Rajeev J	02/01/19	06/30/19	9,160	9,000	(160)
	<b>Total by Primary Sponsor</b>								<b>815,208</b>	<b>2,002,310</b>	<b>81,816</b>
005680 The Camille & Henry Dreyfus Foundation	005680 The Camille & Henry Dreyfus Foundation	6937664	G	P062000	EP-17-013	Tisdale /William	01/01/18	06/30/20	54,071	120,000	33,961
		6937951	G	P152000	EP-17-012	Radosevich /Alexander T.	08/01/18	07/31/19	58,342	60,000	1,658
	<b>Total by Primary Sponsor</b>								<b>112,413</b>	<b>180,000</b>	<b>35,619</b>
005726 Electronics & Telecommunications Research Institute (ETRI)	005726 Electronics & Telecommunications Research Institute (ETRI)	6937515	C	P039000	AGREEMENT DATED SEP	Breazeal /Cynthia Lynn	07/01/17	11/30/18	1,055	88,590	(0)
		6938739	C	P039000		Breazeal /Cynthia Lynn	02/01/18	11/30/18	116,520	116,520	(0)
		6940613	C	P039000	AGREEMENT DATED 2/20	Park /Hae Won	02/01/19	11/30/19	4,662	55,654	50,992
	<b>Total by Primary Sponsor</b>								<b>122,237</b>	<b>260,764</b>	<b>50,992</b>
005737 EPOCH-IT	005737 EPOCH-IT	6808900	G	P067914	AGREEMENT DATED 1/1/95	Rus /Daniela L	01/01/99	12/31/19	0	266,143	100,186
		6862600	G	P067952	AGREEMENT DATED 1/1/95	Grimson /William E	01/01/99	12/31/05	0	59,976	0
		6862700	G	P067952	AGREEMENT DATED 1/1/99	Brooks /Rodney Allen	01/01/99	12/31/18	0	60,000	399
		6862800	G	P067952	AGREEMENT DATED 1/1/95	Rivest /Ronald L	01/01/99	03/31/04	0	30,000	(0)
		6870100	G	P067952	AGREEMENT DATED 1/1/95	Teller /Seth	01/01/99	12/31/06	0	29,996	(0)
		6890289	G	P067952	AGREEMENT DATED 1/1/95	Agarwal /Anant	01/01/99	12/31/04	0	30,000	0
		6890507	G	P067952	AGREEMENT DATED 1/1/95	Berners-Lee /Timothy J	01/01/00	12/31/07	0	89,986	0
		6890798	G	P067952	AGREEMENT DATED 1/1/95	Devadas /Srinivas	06/01/00	12/31/17	0	29,979	(0)
		6891749	G	P067952	AGREEMENT DATED 1/1/95	Knight /Thomas F	01/01/99	12/31/04	0	30,000	(0)
		6892297	G	P067952	AGREEMENT DATED 1/1/95	Darrell /Trevor J	01/01/01	12/31/04	0	30,000	(0)
		6892298	G	P067952	AGREEMENT DATED 1/1/95	Kaelbling /Leslie P	01/01/01	06/13/14	0	29,994	(0)
		6892407	G	P068600	AGREEMENT DATED 1/1/95	McMillan /Leonard	07/01/01	12/30/03	0	30,000	0

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		6892488	G	P067952	AGREEMENT DATED 1/1/99	Dorsey /Julie	07/01/01	12/31/04	0	30,000	0
		6893220	G	P067952	AGREEMENT DATED 1/1/99	Asanovic /Krste	01/01/02	12/31/06	0	30,000	0
		6893221	G	P067952	AGREEMENT DATED 1/1/99	Clark /David D	01/01/99	12/31/09	0	60,000	(0)
		6893222	G	P067952	AGREEMENT DATED 1/1/99	Guttag /John V	01/01/99	12/31/17	0	30,000	389
		6893223	G	P067952	AGREEMENT DATED 1/1/99	Kaashoek /M. Frans	01/01/02	06/30/19	0	30,000	30,000
		6893224	G	P067952	AGREEMENT DATED 1/1/99	Leiserson /Charles E	01/01/99	12/31/07	0	30,000	(0)
		6893225	G	P067952	AGREEMENT DATED 1/1/99	Liskov /Barbara H	01/01/02	04/30/07	0	30,000	(0)
		6893226	G	P067952	AGREEMENT DATED 1/1/99	Szolovits /Peter	01/01/99	12/31/18	0	30,000	1,118
		6893227	G	P067952	AGREEMENT DATED 1/1/99	Ward /Stephen A	01/01/99	12/31/17	0	30,000	(80)
		6893228	G	P067952	AGREEMENT DATED 1/1/99	Zue /Victor Waito	01/01/99	12/31/19	0	210,000	125,794
		6893229	G	P067952	AGREEMENT DATED 1/1/99	Balakrishnan /Hari	01/01/99	12/31/04	0	5,000	(0)
		6923866	G	P067952	AGREEMENT DATED 1/1/99	Matusik /Wojciech	05/02/11	12/31/14	0	39,387	(0)
		6926033	G	P067952	AGREEMENT DATED 1/1/99	Matusik /Wojciech	12/01/11	12/31/14	0	10,613	0
	Total by Primary Sponsor									0	1,281,074
005752 BMW of North America, LLC	005752 BMW of North America, LLC	6928769	C	P067952	AGMT DTD 12/1/13	Shah /Julie A	12/01/13	08/31/18	(1,035)	410,000	0
		6934695	G	P065005	PO 4500310845	Shao-Horn /Yang	09/01/16	08/31/19	647,745	1,800,000	33,827
		6939988	G	P065004	SRA DTD 12/05/2018	Hart /Anastasios John	09/01/18	08/31/19	1,557	50,000	48,443
		6939991	G	P065005	PO 4500581256	Lloyd /Seth	09/01/18	03/26/19	90,003	90,000	(3)
	Total by Primary Sponsor									738,270	2,350,000
005770 Novartis Institutes for BioMedical Research Incorporated	005770 Novartis Institutes for BioMedical Research Incorporated	6932392	C	P069201	AGREEMENT DATED AUG 1/1/17	Voigt /Christopher A.	08/01/15	10/31/19	873,835	4,271,527	953,509
		6936512	G	P061901	AGMT EFF DATE 9/11/17	Shalek /Alexander K	09/11/17	12/31/19	754	142,346	33,379
		6936627	C	P402000	AGREEMENT	Hammond /Paula T	06/28/17	12/31/19	77,089	263,189	82,807
		6936778	C	P267110	PO# 3003066467	Voldman /Joel	12/01/17	11/30/19	263,619	529,200	204,287
		6937848	C	P067952	AGRMNT DT 12/15/17 - PO	Katabi /Dina	12/15/17	06/14/19	327,256	320,000	(82,009)
		6938138	G	P158000		Cisse /Ibrahim I	02/14/18	12/14/18	13,585	18,975	0
		6938216	C	P165000	PO 3003199636	Ribbeck /Katharina	03/21/18	03/20/19	86,191	86,191	0
	6940008	C	P267110	AGMT EFF DATE 9/1/17	Voldman /Joel	12/01/17	11/30/19	0	10,800	10,800	
Total by Primary Sponsor									1,642,330	5,642,228	1,202,772
005782 Osram Opto Semiconductors	005782 Osram Opto Semiconductors	6937234	C	P065004	PO 7700070896	Fang /Xuanlai	10/01/17	06/30/18	10,822	74,711	0
	Total by Primary Sponsor									10,822	74,711
005817 Dana Farber Cancer Institute	005817 Dana Farber Cancer Institute	6936505	G	P067952	DFCI REFERENCE NUMBER	Barzilay /Regina	07/01/16	06/30/18	(481)	20,000	(0)
		6938800	C	P402000	DFCI 8100008	Manalis /Scott R	05/01/18	05/01/19	89,649	97,750	8,101
	Total by Primary Sponsor									89,167	117,750
005821 Anonymous Foundation A	005821 Anonymous Foundation A	6934696	G	P151002	AGREEMENT EFF. 08/12/2017	Schwartz /Thomas	08/12/16	10/01/18	3,433,076	5,000,000	66,936
	Total by Primary Sponsor									3,433,076	5,000,000
005827 Fujitsu Laboratories	005827 Fujitsu Laboratories	6940838	C	P400600	AGMT DTD 4/1/19	Poggio /Tomaso A	04/01/19	10/31/19	0	90,000	90,000
	Total by Primary Sponsor									0	90,000
005831 DSO	005831 DSO National Institute	6939552	C	P067952	DSOCO18002	Barzilay /Regina	09/30/18	09/29/20	61,677	247,364	185,686

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National Laboratories	Laboratories	6939740	C	P067952	DSOCO18002	Jaakkola /Tommi S	09/30/18	09/29/20	23,577	247,364	223,786
	<b>Total by Primary Sponsor</b>								<b>85,254</b>	<b>494,727</b>	<b>409,473</b>
005852 Ford Foundation - All Other	005852 Ford Foundation - All Other	6935086	G	P095500	126918/0160-1141	Tsai /Lily L	01/01/17	12/31/19	273,921	600,000	77,504
		6936480	G	P093800	128040/0175-0385	Uricchio /William C	05/01/17	06/30/18	(1,075)	125,000	0
		6938684	G	P039000	129911	Zuckerman /Ethan	04/01/18	03/31/19	66,690	90,000	0
		6939276	G	P095500	129443	Tsai /Lily L	08/01/18	07/31/19	304,039	300,000	(4,039)
	006120 Harvard University	6938409	G	P039000	AGREEMENT 257791-5106	Zuckerman /Ethan	08/01/17	07/31/19	191,030	200,000	8,381
	<b>Total by Primary Sponsor</b>								<b>834,605</b>	<b>1,315,000</b>	<b>81,847</b>
005855 The Michael J. Fox Foundation for Parkinson's Disease	005855 The Michael J. Fox Foundation for Parkinson's Disease	6938428	G	P067952	15069	Katabi /Dina	05/04/18	12/31/19	105,238	340,743	235,504
		6938478	G	P039070	ID 12708.01	Boyden /Edward	02/02/18	02/28/20	25,104	25,000	(104)
	007555 University of Texas	6940364	G	P159300	PO #3001300720 / SUBAW	Tsai /Li-Huei	08/09/18	11/08/19	73,212	85,000	11,788
	<b>Total by Primary Sponsor</b>								<b>203,555</b>	<b>450,743</b>	<b>247,188</b>
005889 ROHM Co., Ltd.	005889 ROHM Co., Ltd.	6939214	C	P065004	AGMT DTD 07/24/2018	Kim /Jeehwan	06/01/18	08/30/19	159,764	343,325	183,561
	<b>Total by Primary Sponsor</b>								<b>159,764</b>	<b>343,325</b>	<b>183,561</b>
005893 Conrad N. Hilton Foundation	010840 New York Stem	6937541	G	P066000	MIT17321-2	Van Vliet /Krystyn J	07/01/17	06/30/19	12,250	48,000	26,476
	<b>Total by Primary Sponsor</b>								<b>12,250</b>	<b>48,000</b>	<b>26,476</b>
005947 Schlumberger Technology Corporation	005947 Schlumberger Technology Corporation	6919096	C	P320000	SCHLUMBERGER MITEI S	Armstrong /Robert C	01/01/08	12/31/17	0	5	5
		6920370	C	P320000	SCHLUMBERGER MITEI S	Ulm /Franz-Josef	09/01/09	08/31/11	0	200,027	(0)
		6920425	C	P320000	SCHLUMBERGER MITEI S	Hover /Franz S	09/01/09	03/31/11	0	80,000	(0)
		6921062	C	P320000	SCHLUMBERGER MITEI S	Lanza /Richard C	12/01/09	03/31/12	0	54,919	(0)
		6922792	C	P320000	SCHLUMBERGER MITEI S	Reis /Pedro Miguel	07/01/10	12/31/13	0	282,000	(0)
		6922822	C	P320000	SCHLUMBERGER MITEI S	Yildiz /Bilge	03/15/10	02/28/12	0	154,445	0
		6923464	C	P320000	SCHLUMBERGER MITEI S	Hosoi /Anette E	01/01/11	01/31/17	0	249,871	0
		6924967	C	P320000	SCHLUMBERGER MITEI S	Malcolm /Alison E	07/01/11	06/30/12	0	80,000	(0)
		6924970	C	P320000	SCHLUMBERGER MITEI S	Ulm /Franz-Josef	09/01/11	08/31/16	0	2,500,000	(0)
		6925381	C	P320000	SCHLUMBERGER MITEI S	Lang /Jeffrey H	11/01/11	01/31/13	0	69,695	0
		6928780	C	P320000	SCHLUMBERGER MITEI S	Williams /John R	04/01/13	06/30/14	0	160,000	(0)
		6928888	C	P320000	SCHLUMBERGER MITEI S	Ulm /Franz-Josef	09/01/13	08/31/15	0	119,999	0
		6931298	C	P061096	AGRMNT EFFECTIVE 12/1	Tan /Choon S	02/01/15	03/31/18	(11)	360,000	(0)
		6937227	C	P320000	SCHLUMBERGER MITEI S	Leonard /John J	09/01/17	08/31/20	199,678	346,611	77,843
		6937512	C	P320000	SCHLUMBERGER MITEI S	Leonard /John J	09/01/17	08/31/19	109,557	247,372	76,277
	<b>Total by Primary Sponsor</b>								<b>309,224</b>	<b>4,904,944</b>	<b>154,124</b>
005951 Battelle Energy Alliance, LLC	005951 Battelle Energy Alliance, LLC	6940384	C	P264000	RELEASE 20 /BMC 011258	Carpenter /David Michael	12/20/18	09/30/19	26,460	150,000	123,540
		6941059	C	P068000	RELEASE 21/BMC 011258	Short /Michael P	02/07/19	09/30/19	0	50,000	50,000
	<b>Total by Primary Sponsor</b>								<b>26,460</b>	<b>200,000</b>	<b>173,540</b>
005979 Google, Inc	005979 Google, Inc	6933252	C	P066000	PO#465350	Chiang /Yet-Ming	01/01/16	12/31/19	29,836	1,200,147	76,904
		6933535	C	P039010	MEDIA LAB CONSORTIA	Oxman /Neri	09/01/15	07/31/17	0	300,000	(0)
		6936347	G	P061901	PO 430041	Sontag /David Alexander	01/01/17	08/31/19	(14,183)	46,094	1,495
		6938754	C	P039010	AGREEMENT DATED 5/15	Maes /Patricia	03/01/18	02/29/20	276,866	263,585	(13,281)

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	<b>Total by Primary Sponsor</b>								<b>292,520</b>	<b>1,809,826</b>	<b>65,117</b>
005987 Honda Research Institute USA, Inc.	005987 Honda Research Institute USA, Inc.	6938443	G	P067952	PURCHASE ORDER 45002	Roy /Nicholas	04/01/18	03/31/21	326,397	600,000	261,993
		6938674	G	P067952	PURCHASE ORDER 45002	Lozano-Perez /Tomas	04/01/18	03/31/21	332,394	300,000	(43,706)
		6938675	G	P067952	PURCHASE ORDER 45002	Tenenbaum /Joshua B	04/01/18	03/31/21	288,755	300,000	5,938
	<b>Total by Primary Sponsor</b>								<b>947,546</b>	<b>1,200,000</b>	<b>224,224</b>
005996 ACLAM Foundation	005996 ACLAM Foundation	6927855	G	P402100	LTR-DATED 5/10/13	Sheh /Alexander	07/01/13	12/31/18	9,988	30,000	0
	<b>Total by Primary Sponsor</b>								<b>9,988</b>	<b>30,000</b>	<b>0</b>
006012 Bill & Melinda Gates Foundation	005460 Children's Hosp	6940284	G	P062000	PO#GENFD0001601511	Hammond /Paula T	11/06/18	11/30/19	67,103	226,596	159,493
	006012 Bill & Melinda Gates Foundation	6919680	G	P091020	OPP52811	Suri /Tavneet	06/05/09	03/31/21	1,820	281,585	279,663
		6922177	G	P091020	OPP52811	Suri /Tavneet	06/05/09	03/31/21	929,021	3,782,020	(494,646)
		6922558	G	P091020	OPP52811	Suri /Tavneet	01/01/10	03/31/21	0	263,143	3,443
		6922595	G	P091020	OPP52811	Suri /Tavneet	07/01/10	03/31/21	3,386	784,581	(9,941)
		6922596	G	P091020	OPP52811	Glennerster /Rachel	05/01/10	12/31/11	0	31,460	0
		6922598	G	P091020	OPP52811	Glennerster /Rachel	06/17/10	04/03/11	0	43,642	0
		6923466	G	P091020	OPP52811	Suri /Tavneet	02/17/11	03/31/21	0	388,384	1,751
		6924145	G	P091020		Suri /Tavneet	05/01/11	12/31/14	0	34,260	0
		6924146	G	P091020	OPP52811	Suri /Tavneet	05/01/11	03/31/21	0	312,271	(10,000)
		6924147	G	P091020	OPP52811	Glennerster /Rachel	05/01/11	12/31/14	0	54,942	0
		6924148	G	P091020	OPP52811	Suri /Tavneet	05/01/11	03/31/21	0	278,481	(0)
		6924452	G	P091020	OPP52811	Suri /Tavneet	07/25/11	03/31/21	0	273,386	0
		6924800	G	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	(2,108)	280,000	(773,133)
		6925375	G	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	0	211,842	28,644
		6925376	G	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	0	17,547	(17,547)
		6925377	G	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	0	81,853	(78,240)
		6925378	G	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	0	197,397	(10,000)
		6925882	G	P091020	OPP52811	Suri /Tavneet	06/05/09	03/31/21	0	291,264	5
		6925883	G	P091020	OPP52811	Glennerster /Rachel	06/05/09	12/31/14	0	54,527	0
		6925941	G	P091020	OPP52811	Suri /Tavneet	05/01/12	03/31/21	0	54,843	0
		6925942	G	P091020	OPP52811	Suri /Tavneet	06/01/12	03/31/21	0	188,179	(0)
		6925943	G	P091020	OPP52811	Suri /Tavneet	06/01/12	03/31/21	0	58,821	35
		6926420	G	P091020	OPP52811	Suri /Tavneet	05/01/12	03/31/21	0	24,955	2
		6926976	G	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	146,499	3,272,721	280,422
		6928061	C	P402012	OPP1096734	Langer /Robert S	08/22/13	08/31/16	0	3,242,048	(0)
		6928538	C	P402012	OPP1095790	Langer /Robert S	08/27/13	12/31/16	946	4,247,517	2,320
		6928555	C	P402012	OPP1087261	Langer /Robert S	08/27/13	12/31/19	24,215	1,591,388	8,514
		6928701	C	P067952	OPP1095790	Matusik /Wojciech	08/27/13	08/31/14	0	60,000	0
		6930178	C	P402012	OPV1100799	Langer /Robert S	06/17/14	06/30/16	0	1,261,031	(0)
		6931079	C	P402012	AGREEMENT DATED 6/10	Langer /Robert S	06/17/14	12/31/19	384	472,789	5,269
		6931081	C	P402012	AGREEMENT DATED 6/10	Langer /Robert S	06/17/14	12/31/19	0	177,767	(7,500)
		6932249	C	P402000	OPP1131518	Langer /Robert S	07/15/15	07/31/17	0	315,832	(0)
		6932917	C	P402000	OPP1139921	Langer /Robert S	09/01/15	06/30/18	(13,779)	2,283,647	0
		6932948	G	P039000	OPP1137350	Zuckerman /Ethan	11/20/15	09/30/18	69,115	1,095,538	(0)
		6933017	G	P069201	INVESTMENT ID OPP1132	Niles /Jacquin	11/20/15	10/31/17	0	541,365	(0)
		6933063	C	P402000	OPP1139937	Langer /Robert S	09/01/15	06/30/18	2,313	2,159,905	0

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**Fiscal Year 2019**

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		6933064	C	P402012	OPP1139927	Langer /Robert S	09/01/15	06/30/18	(34,524)	2,036,826	31,855
		6933122	C	P402000	OPP1136638	Langer /Robert S	11/19/15	04/30/18	132	972,595	(0)
		6934398	C	P402000	OPP1150646	Langer /Robert S	07/20/16	12/31/18	11,261	677,129	(6,004)
		6934792	G	P091020	OPP1037202	Duflo /Esther	07/01/16	10/31/19	28,536	85,000	22,235
		6935128	G	P091020	OPP1163727	Finkelstein /Amy	12/15/16	12/31/20	95,090	0	(244,128)
		6935137	C	P402012	OPP1095790	Langer /Robert S	09/27/13	05/30/20	1,231,746	3,252,985	841,240
		6935138	C	P402012	OPP1087261	Langer /Robert S	09/27/13	12/31/19	114,380	2,452,274	82
		6935191	C	P402000	OPP1155345	Langer /Robert S	09/22/16	09/30/19	713,329	1,336,642	25,667
		6935208	G	P065005	OPP1159595	Varanasi /Kripa	11/04/16	12/31/20	501,750	1,728,607	558,117
		6935213	G	P069201	INVESTMENT ID OPP1158	Niles /Jacquin	11/07/16	10/31/21	313,933	1,500,000	941,375
		6935306	G	P091020	OPP1163727	Finkelstein /Amy	12/15/16	12/31/20	223,022	556,831	148,595
		6935545	G	P069201	INVESTMENT ID OPP1162	Niles /Jacquin	12/01/16	12/31/19	573,452	1,847,558	468,273
		6935611	C	P402000	OPP1155120_PROJ 1	Langer /Robert S	01/01/17	09/30/17	0	265,098	(0)
		6935930	G	P065005	OPP1159595	Varanasi /Kripa	11/04/16	12/31/20	0	8,043	0
		6936771	G	P091020	OPP1037202	Duflo /Esther	10/14/11	10/31/19	(847)	333,659	(22,871)
		6937320	C	P402000	OPP1179091	Langer /Robert S	10/01/17	09/30/19	1,790,430	2,500,000	118,576
		6937567	C	P402000	OPP1087261	Langer /Robert S	08/27/13	12/31/19	415,979	407,801	(10,868)
		6937582	C	P402000	OPP1807261	Langer /Robert S	11/01/17	12/31/19	615,741	817,426	169,833
		6937607	C	P402000	OPP1087261	Langer /Robert S	10/01/17	12/31/19	284,939	226,684	(58,255)
		6937755	C	P402000	OPP1139937	Langer /Robert S	09/01/15	06/30/18	39,967	60,301	0
		6938966	C	P402012	OPP1087261	Langer /Robert S	06/15/18	12/31/19	1,211,230	1,040,000	(171,230)
		6939160	G	P061901	OPP1197608	Chakraborty /Arup K	07/26/18	11/05/18	0	20,775	20,775
		6939381	G	P091020	OPP1198806	Sautmann /Anja	09/11/18	01/31/20	245,527	538,872	293,345
		6939876	G	P091020	OPP1201537	Autor /David H	11/26/18	12/31/20	82,260	574,618	492,358
		6939937	C	P402012	OPP1150646.S1	Langer /Robert S	12/01/18	11/30/20	268,380	800,460	532,080
		6939939	C	P402012	OPP1202654	Langer /Robert S	09/14/18	12/31/20	328,943	909,846	580,903
		6940035	G	P069201	OPP1197938	Alm /Eric J	11/29/18	06/30/20	74,184	251,627	177,443
		6940147	G	P069201	OPP1197938	Alm /Eric J	11/29/18	06/30/20	156,860	260,820	103,960
		6940245	G	P091020	OPP1201537	Autor /David H	11/26/18	12/31/20	0	357,000	357,000
		6940308	G	P091020	OPP1195002	Suri /Tavneet	11/28/18	12/31/22	0	572,154	572,154
		6940327	G	P091020	OPP1195002	Suri /Tavneet	01/01/19	12/31/22	0	1,100,000	1,100,000
		6940328	G	P091020	OPP1195002	Suri /Tavneet	01/01/19	12/31/22	0	875,000	875,000
		6940329	G	P091020	OPP1195002	Suri /Tavneet	01/01/19	12/31/22	62,260	341,328	279,068
	006120 Harvard University	6937367	G	P091020	253337-5105519	Olken /Benjamin	06/19/17	09/30/19	70	130,700	127,880
		6938671	G	P165000	270790-5109686	Ribbeck /Katharina	03/21/18	12/31/19	31,237	31,237	(0)
		6938916	G	P069201	270790-5109089	Alm /Eric J	03/21/18	12/31/19	83,778	85,000	1,222
		6940106	G	P061901	289540.0001	Collins /James J.	09/13/18	05/31/19	2,916	2,911	(5)
		6940139	G	P069201	270790-5109089	Alm /Eric J	01/01/19	12/31/19	34,633	85,000	50,367
		6940228	G	P165000	270790-5109686	Ribbeck /Katharina	01/01/19	12/31/19	24,030	27,104	3,074
	006342 Innovations for	6938690	C	P122070	AGMT. DTD. 7/20/18	Suri /Tavneet	03/22/18	07/21/18	28,331	28,331	0
	006379 Institute for Fin	6935343	G	P091020	OPP1155565	Sautmann /Anja	11/01/16	11/30/20	56,998	817,567	632,620
	006513 University College London	6936659	G	P402000	AGRMNT 6/30/2017 / REF:	Love /John C	11/18/16	10/31/21	940,138	4,967,468	2,834,597
		6936743	G	P402000	AGREEMENT DATED 6/30	Braatz /Richard D	11/18/16	10/31/21	107,079	298,208	2,633
		6936744	G	P402000	AGREEMENT DATED 6/30/2017 /REF: 538134	Varanasi /Kripa	11/18/16	12/31/18	160,834	264,221	(0)
		6938454	G	P402000	AGREEMENT DATED 6/30	Braatz /Richard D	11/18/16	12/01/18	6,142	6,142	0
		6939406	G	P402000	AGREEMENT DATED 6/30	Braatz /Richard D	11/18/16	12/01/18	11,863	11,863	0
	006570 Massachusetts General Hospital	6939169	G	P061901	232374	Shalek /Alexander K	01/01/18	02/28/19	14,016	14,016	0

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	General Hospital	6939183	G	P039070	226618	Boyden /Edward	11/01/17	10/31/19	40,348	165,000	124,652
		6939320	G	P061901	228523	Shalek /Alexander K	01/01/18	02/28/19	7,055	7,358	303
		6939455	G	P061901	232374	Shalek /Alexander K	09/01/18	12/31/18	23,366	18,127	(5,239)
	007709 Virginia Commonwealth University	6934445	G	P152000	FP00001960_SA003	Jamison /Timothy F	06/16/16	05/31/18	(721)	1,057,000	0
		6937891	G	P152000	FP00006010_SA005	Jamison /Timothy F	07/24/17	06/30/19	1,072,154	1,400,000	17,894
	010085 The Broad Institute, Inc.	6929112	C	P061901	5610092-5500000624	Bhatia /Sangeeta N	11/01/13	10/31/14	0	89,161	0
		6931138	C	P061901	6615715-5500000624	Bhatia /Sangeeta N	11/01/14	10/31/15	0	110,025	0
		6933377	C	P061901	6615716-5500000624	Bhatia /Sangeeta N	11/01/15	10/31/16	0	109,330	(0)
		6935327	C	P061901	6615717-5500000624	Bhatia /Sangeeta N	11/01/16	10/31/17	0	137,004	0
		6937743	C	P061901	6615718-5500000624	Bhatia /Sangeeta N	11/01/17	10/31/18	40,487	110,000	96
		6938359	G	P061901	5700015716	Bhatia /Sangeeta N	11/01/17	10/31/18	30,803	47,178	(14,869)
		6940182	C	P061901	6615720-5500000624	Bhatia /Sangeeta N	11/01/18	10/31/19	71,825	110,000	38,175
	010193 Phillip T. and S	6937989	G	P061901	226618	Chung /Kwanghun	09/01/18	08/31/19	7,648	165,000	157,352
	011059 Cincinnati Children's Hospital	6935402	G	P402000	134688	Yilmaz /Omer	07/01/16	12/31/18	87,794	231,000	(0)
	100687 Vaxess Technologies	6936792	G	P402000	1	Irvine /Darrell J	05/01/17	07/31/18	(31,244)	489,135	(0)
		6936821	G	P063007	AGMT DTD. 05/01/2017	Marelli /Benedetto	05/01/17	04/30/18	(200)	182,826	0
	102230 Private Sector F	6935730	C	P069500	ID OPP1151572	Sheffi /Yosef	01/15/17	11/30/18	5,069	220,000	0
	<b>Total by Primary Sponsor</b>								<b>13,433,327</b>	<b>69,063,398</b>	<b>11,535,879</b>
006015 Gordon & Betty Moore Foundation	006015 Gordon & Betty Moore Foundation	6925039	G	P158000	LTR AGREEMENT #2931	Ashoori /Raymond	11/10/11	07/30/19	29,409	319,131	21,580
		6925091	G	P158000	LTR AGREEMENT #2931	Ashoori /Raymond	11/10/11	07/30/19	0	73,045	0
		6926049	G	P158000	LTR AGREEMENT #2931	Ashoori /Raymond	05/17/12	11/09/13	0	321,226	0
		6927618	G	P267111	GRANT AWARD LTR. #336	Berggren /Karl K	09/11/12	01/21/18	35,265	1,286,017	0
		6927978	G	P153000	GRANT AGREEMENT #377	Follows /Michael J	05/08/13	01/01/20	151,452	1,481,486	166,496
		6930105	G	P158000	LTR AGREEMENT #4303	Lee /Patrick A	04/03/14	01/15/20	8,159	221,970	140,140
		6931202	G	P158000	LTR AGREEMENT #4540	Gedik /Nuh	11/03/14	11/30/19	142,573	1,822,410	165,901
		6931204	G	P158000	LTR AGREEMENT #4541	Jarillo-Herrero /Pablo	11/03/14	11/30/19	249,609	1,553,365	181,706
		6931205	G	P158000	LTR AGREEMENT # 4541	England /Jeremy L.	11/03/14	04/30/19	111,329	707,669	1,713
		6931812	G	P267111	GRANT AWARD LTR. #336	Berggren /Karl K	07/01/14	01/21/18	0	227,304	0
		6932132	G	P158000	LTR AGREEMENT #4541	Jarillo-Herrero /Pablo	11/03/14	06/30/16	0	11,069	0
		6932266	G	P158000	LTR AGREEMENT #4541	Jarillo-Herrero /Pablo	07/01/15	08/31/16	0	45,599	0
		6934558	G	P158000	5263.05	Cisse /Ibrahim I	07/15/16	07/31/18	1,615	56,685	0
		6934896	G	P158000	LTR AGREEMENT #4541	Jarillo-Herrero /Pablo	11/03/14	03/31/17	0	6,383	0
		6935590	G	P158000	LTR AGREEMENT #4540	Gedik /Nuh	11/03/14	01/31/19	0	0	0
		6935771	G	P159600	GMBF5215	Hewitt /Jacqueline N	02/23/17	02/28/22	222,700	1,831,377	1,369,741
		6935780	G	P159600	GMBF5215	Hewitt /Jacqueline N	02/23/17	02/28/22	209,475	867,064	608,843
		6935781	G	P159600	GMBF5215	Hewitt /Jacqueline N	02/23/17	02/28/22	849	1,109	(751)
		6936538	G	P267100	GRANT #5279	Zwierlein /Martin Wolfram	05/27/17	07/30/19	306,697	650,000	64,532
		6938275	G	P267100	GRANT #5279	Zwierlein /Martin Wolfram	05/27/17	07/30/19	184,383	180,000	(50,172)
		6939407	G	P159600	GMBF5215	Hewitt /Jacqueline N	09/01/18	08/31/19	108,625	80,450	(28,175)
		6939633	G	P158000	#7729	Fakhri /Nikta	01/01/18	12/31/21	689,937	706,516	16,579
		6940029	G	P093800	GRANT #7777	Klopper /Eric	09/01/18	06/01/20	124,660	764,000	639,340
	007380 Stanford Univer	6938707	G	P267111	PO 61630109 / SPO 13207	Berggren /Karl K	05/18/17	08/31/19	510,835	1,059,820	289,393
	<b>Total by Primary Sponsor</b>								<b>3,087,572</b>	<b>14,273,696</b>	<b>3,586,866</b>
006019 Quanta Computer, Inc.	006019 Quanta Computer, Inc.	6897576	G	P067950	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	05/31/24	0	1,397,690	1,395,595
		6897998	G	P067952	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	08/31/18	0	1,560	1,560

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		6897999	G	P067950	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	08/31/19	16,345	4,873,719	681
		6898261	G	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	81,234	0
		6898297	G	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	99,554	0
		6898337	G	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	37,022	0
		6898338	G	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	44,320	0
		6898403	G	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	01/15/06	0	22,031	(0)
		6898404	G	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	30,282	0
		6898405	G	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	62,609	0
		6898406	G	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	06/01/05	08/31/05	0	41,630	0
		6898880	G	P067952	AGMT. DTD. 4/1/05	Devadas /Srinivas	09/01/05	08/31/17	0	2,788,654	0
		6898881	G	P067952	AGMT. DTD. 4/1/05	Glass /James R	04/01/05	08/31/19	159,763	8,891,615	33,171
		6898882	G	P067952	AGMT. DTD. 4/1/05	Kaashoek /M. Frans	04/01/05	08/31/09	0	2,297,219	(0)
		6898883	G	P067952	AGMT. DTD. 4/1/05	Ward /Stephen A	04/01/05	08/31/09	0	1,779,680	0
		6914338	G	P067952	AGMT. DTD. 4/1/05	Miller /Robert C	09/01/06	08/31/13	0	1,384,320	0
		6914404	G	P067952	AGMT. DTD. 4/1/05	Barzilay /Regina	09/01/06	08/31/09	0	436,389	(0)
		6916522	G	P067952	AGMT. DTD. 4/1/05	Glass /James R	09/01/07	08/31/09	0	964,361	0
		6916766	G	P067952	AGMT. DTD. 4/1/05	Zue /Victor Waito	09/01/07	12/31/08	0	98,950	(0)
		6916892	G	P067952	AGMT. DTD. 4/1/05	Agarwal /Anant	09/01/07	08/31/09	0	405,882	(0)
		6918829	G	P067952	AGMT. DTD. 4/1/05	Durand /Frederic	09/01/08	08/31/19	0	1,726,892	574
		6918849	G	P067952	AGMT. DTD. 4/1/05	Freeman /William T	09/01/08	08/31/17	0	875,192	0
		6920423	G	P067952	AGMT. DTD. 4/1/05	Katabi /Dina	09/01/09	08/31/10	0	151,620	0
		6920698	G	P067952	AGMT. DTD. 04/01/05	Agarwal /Anant	06/01/09	09/30/13	0	3,555,636	14
		6920699	G	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	09/01/09	08/31/13	0	90,090	0
		6920700	G	P067952	AGMT. DTD. 04/01/05	Kaashoek /M. Frans	09/01/09	08/31/17	0	1,939,838	0
		6920701	G	P067952	AGMT. DTD. 04/01/05	Ward /Stephen A	09/01/09	08/31/13	0	1,013,711	(0)
		6920782	G	P067952	AGMT. DTD. 4/1/05	Guttag /John V	09/01/09	08/31/17	0	1,716,329	0
		6920783	G	P067952	AGMT. DTD. 04/01/05	Madden /Samuel R	09/01/09	08/31/17	0	959,461	0
		6922986	G	P067952	AGMT. DTD. 4/1/05	Mithal /Arvind	09/01/10	08/31/16	0	1,136,132	0
		6923892	G	P067952	AGMT. DTD. 4/1/05	Teller /Seth	05/01/11	04/09/14	0	535,580	(0)
		6923918	G	P067952	AGMT. DTD. 4/1/05	Guttag /John V	04/01/11	08/31/13	0	4,344	0
		6924479	G	P067952	AGMT. DTD. 4/1/05	Leonard /John J	08/08/11	08/31/13	0	8,369	0
		6924622	G	P067952	AGMT. DTD. 4/1/05	Matusik /Wojciech	09/01/08	08/31/17	0	947,697	(0)
		6924671	G	P067950	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	08/31/19	0	1,447,157	160,099
		6925625	G	P067952	AGMT. DTD. 4/1/05	Matusik /Wojciech	12/01/11	08/31/17	0	262,303	(472)
		6925826	G	P067952	AGMT. DTD. 4/1/05	Terman /Christopher J	04/01/05	05/31/19	0	585,310	126,876
		6926732	G	P067950	AGMT. DTD. 4/1/05	Zue /Victor Waito	04/01/05	08/31/17	0	22,349	(0)
		6926823	G	P060600	AGMT. DTD. 4/1/05	Chandrakasan /Anantha P	09/01/12	08/31/17	0	403,688	0
		6927402	G	P067952	AGMT. DTD. 4/1/05	Durand /Frederic	04/01/05	08/31/17	0	581,840	(0)
		6928561	G	P067952	AGMT. DTD. 4/1/05	Durand /Frederic	09/01/13	08/31/17	0	0	(19)
		6928562	G	P067952	AGMT. DTD. 4/1/05	Miller /Robert C	09/01/13	08/31/17	0	634,505	0
		6928563	G	P067952	AGMT. DTD. 4/1/05	Zue /Victor Waito	09/01/13	08/31/19	6,043	879,739	87,504
		6928564	G	P067952	AGMT. DTD. 4/1/05	Ward /Stephen A	09/01/13	08/31/19	0	195,611	5,121
		6928565	G	P067952	AGMT. DTD. 4/1/05	O'Reilly /Una-May	09/01/13	08/31/15	0	79,971	0
		6928768	G	P154000	AGMT. DTD. 4/1/05	Etingof /Pavel I	09/01/13	08/31/17	0	79,230	0
		6931158	G	P067952	AGMT. DTD. 4/1/05	Szolovits /Peter	09/01/14	08/31/17	0	99,762	(0)
		6932932	G	P067952	AGMT. DTD. 4/1/05	Seneff /Stephanie	09/01/15	08/31/19	154,030	999,779	181,778
	<b>Total by Primary Sponsor</b>								<b>336,181</b>	<b>46,670,855</b>	<b>1,992,482</b>

**Massachusetts Institute of Technology**  
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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
006039 Novartis Pharma AG	006039 Novartis Pharm AG	6915418	C	P062000	AGMT. DTD. 6/1/07	Trout /Bernhardt L	06/01/07	05/31/19	0	0	0
		6915420	C	P062000	AGMT DTD. 6/1/2007	Buchwald /Stephen Leffler	06/01/07	08/31/12	0	1,971,918	0
		6915423	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	08/31/08	0	16	(0)
		6915425	C	P062000	AGMT DTD. 6/1/2007	Buchwald /Stephen Leffler	06/01/07	08/31/12	0	1,863,218	0
		6915430	C	P062000	AGMT DTD. 6/1/2007	Jamison /Timothy F	06/01/07	08/31/12	0	2,109,593	0
		6915432	C	P062000	AGMT DTD. 6/1/2007	Jamison /Timothy F	06/01/07	08/31/12	0	2,057,445	(0)
		6915437	C	P062000	PREAWARD NOVARTIS	Jensen /Klavs F	06/01/07	08/31/12	0	1,831,751	(0)
		6915442	C	P062000	AGMT DTD. 6/1/2007	Jensen /Klavs F	06/01/07	08/31/12	0	2,180,260	0
		6915444	C	P062000	PREAWARD NOVARTIS	Halton /Trevor Alan	06/01/07	08/31/08	0	0	0
		6915445	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	05/31/19	140,453	6,803,357	20,292
		6915446	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	08/31/08	0	16	16
		6915447	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	05/31/19	115,018	5,149,257	(21,998)
		6915449	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	08/31/08	0	104,611	104,611
		6915450	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	08/31/12	0	2,606,939	(0)
		6915451	C	P062000	PREAWARD NOVARTIS	Cooney /Charles L	06/01/07	08/31/08	0	0	0
		6915455	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	05/31/19	0	3,401,895	0
		6915456	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	08/31/08	0	4,228	4,228
		6915457	C	P062000	PREAWARD NOVARTIS	Barton /Paul I	02/01/08	05/31/19	1,260	2,746,182	(0)
		6915458	C	P062000	AGMT DTD. 6/1/2007	McRae /Gregory J	06/01/07	09/15/08	0	126,492	0
		6915459	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	05/31/19	41,356	6,075,806	(0)
		6915460	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	05/31/14	0	5,754,862	0
		6915469	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	05/31/19	91,886	3,450,704	(23)
		6918017	C	P062000	AGMT DTD. 6/1/2007	Buchwald /Stephen Leffler	05/01/08	08/31/10	0	64,292	(0)
		6918018	C	P062000	AGMT DTD. 6/1/2007	Chun /Jung-Hoon	05/01/08	08/31/11	0	672,405	0
		6918019	C	P062000	AGMT DTD. 6/1/2007	Cooney /Charles L	05/01/08	08/31/10	0	183,715	(0)
		6918021	C	P062000	AGMT DTD. 6/1/2007	Jamison /Timothy F	05/01/08	08/31/10	0	341,404	0
		6918022	C	P062000	AGMT DTD. 6/1/2007	Jensen /Klavs F	05/01/08	08/31/10	0	289,479	(0)
		6918023	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	05/01/08	08/31/11	0	579,878	0
		6919222	C	P062000	AGMT. DTD. 6/1/07	Trout /Bernhardt L	01/01/09	08/31/12	0	440,345	0
		6919224	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	01/01/09	08/31/10	0	306,124	0
		6919408	C	P062000	AGMT DTD. 6/1/2007	Doyle /Patrick S	06/01/07	05/31/19	15,616	1,145,010	(0)
		6919515	C	P062000	AGMT DTD. 6/1/2007	Rutledge /Gregory C	07/01/09	05/31/19	0	781,290	0
		6919516	C	P062000	AGMT DTD. 6/1/2007	Culpepper /Martin	06/01/07	08/31/11	0	165,707	(0)
		6919598	C	P062000	AGMT DTD. 6/1/2007	Jensen /Klavs F	05/01/08	05/31/09	0	7,369	0
		6919949	C	P062000	AGMT DTD. 6/1/2007	Jensen /Klavs F	06/01/09	08/31/09	0	6,914	0
		6920875	C	P062000	PREAWARD NOVARTIS	Jensen /Klavs F	09/29/09	05/31/10	0	9,198	0
		6920876	C	P062000	PREAWARD NOVARTIS	Jensen /Klavs F	12/01/08	08/31/10	0	3,393	0
		6921225	C	P062000	AGMT DTD. 6/1/2007	Halton /Trevor Alan	06/01/07	08/31/10	0	202,721	0
		6921253	C	P062000	AGMT DTD. 6/1/2007	Culpepper /Martin	06/01/07	08/31/11	0	72,945	0
		6921621	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	03/01/10	04/30/11	0	104,689	0
		6921766	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	04/22/10	08/31/11	0	21,895	0
		6922234	C	P062000	AGMT. DTD. 6/1/07	Braatz /Richard D	09/01/10	05/31/19	0	2,481,127	(0)
		6922503	C	P062000	AGMT DTD. 6/1/2007	Myerson /Allan S.	08/30/10	05/31/15	0	532,032	0
		6922810	C	P062000	AGMT DTD. 6/1/2007	Myerson /Allan S.	06/01/07	05/31/19	88,636	3,933,246	(0)
		6922952	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	09/01/10	08/31/12	0	1,241,144	0
		6922953	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	09/01/10	08/31/12	0	77,107	0
		6922954	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	09/01/10	08/31/12	0	60,038	0
		6922955	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	09/01/10	08/31/12	0	116,343	0
		6922956	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	09/01/10	08/31/12	0	224,588	(0)

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**Massachusetts Institute of Technology**  
**Research Expenditures by Primary Sponsor**  
**Fiscal Year 2019**

Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6922957	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	09/01/10	08/31/12	0	66,280	0
		6922958	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	09/01/10	08/31/12	0	329,286	0
		6922959	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	09/01/10	05/31/12	0	3,098	0
		6923072	C	P062000	AGMT DTD. 6/1/2007	Jensen /Klavs F	11/01/10	05/31/19	0	1,444,911	0
		6923086	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	11/05/10	04/01/12	0	13,461	0
		6924112	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	03/01/11	05/31/12	0	42,302	0
		6924507	C	P065005	AGMT DTD. 6/1/2007	Slocum /Alexander H	09/01/11	05/31/19	0	826,173	(0)
		6924768	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	09/01/11	05/31/13	0	260,150	(0)
		6925117	C	P065006	AGMT DTD. 6/1/2007	Slocum /Alexander H	12/12/11	03/31/12	0	39,775	0
		6925953	C	P152000	AGMT. DTD. 6/1/07	Buchwald /Stephen Leffler	06/01/07	05/31/19	66,973	4,464,424	180
		6925954	C	P152000	AGMT. DTD. 6/1/07	Jamison /Timothy F	06/01/07	05/31/19	17,790	4,682,726	(404)
		6925955	C	P062000	AGMT. DTD. 6/1/07	Jensen /Klavs F	06/01/07	05/31/19	(15,003)	4,833,118	6,953
		6925956	C	P062000	AGMT. DTD. 6/1/07	Myerson /Allan S.	06/01/07	05/31/19	979	2,463,963	(0)
		6925957	C	P062000	AGMT. DTD. 6/1/07	Jensen /Klavs F	06/01/07	05/31/19	67,702	1,304,449	(15,894)
		6925958	C	P152000	AGMT. DTD. 6/1/07	Buchwald /Stephen Leffler	06/01/07	05/31/19	0	431,442	(0)
		6931331	C	P062000	AGMT. DTD. 6/1/07	Braatz /Richard D	06/01/12	05/31/19	0	748,924	(0)
		6931614	C	P062000	AGMT. DTD. 6/1/07	Jensen /Klavs F	03/09/15	05/31/16	0	19,986	0
		6932067	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	06/01/07	05/31/19	0	26,433	0
		6932075	C	P062000	AGMT	Myerson /Allan S.	06/01/15	05/31/19	0	252,638	0
		6932309	C	P062000	AGMT. DTD. 6/1/07	Jensen /Klavs F	06/01/07	08/31/16	0	42,266	0
		6932673	C	P065005	AGMT DTD. 6/1/2007	Slocum /Alexander H	09/11/15	05/31/18	0	11,280	0
		6934554	C	P062000	AGMT DTD. 6/1/2007	Trout /Bernhardt L	10/08/15	05/31/18	0	15,877	0
		Total by Primary Sponsor									632,666
006041 The Boeing Company	006041 The Boeing Cor	6932697	C	P121012	MIT-BA-GTA-1 RPP 69326	Graves /Stephen C	01/01/16	12/31/19	207,030	630,427	130,556
	Total by Primary Sponsor								207,030	630,427	130,556
006047 GSK Pharmaceuticals	006047 GSK Pharmace	6933643	C	P062000	3000030139 / 39468161-O	Strano /Michael S.	02/26/16	02/25/19	41,785	450,000	(0)
	Total by Primary Sponsor								41,785	450,000	(0)
006053 Advanced Micro Devices, Incorporated	006053 Advanced Micro Devices, Incorporated	6935380	C	P069850		Olivetti /Elsa A	10/01/16	12/31/18	4,257	14,991	(0)
	Total by Primary Sponsor								4,257	14,991	(0)
006060 William T Grant Foundation	006060 William T Grant	6931988	G	P091000	GRANT # 184441	Pathak /Parag	07/01/15	06/30/20	117,374	275,397	56,218
	Total by Primary Sponsor								117,374	275,397	56,218
006070 Greenwall Foundation	006070 Greenwall Foundation	6935364	G	P039000		Esvelt /Kevin Michael	01/01/17	12/31/18	164,369	175,000	0
	Total by Primary Sponsor								164,369	175,000	0
006082 Entertainment Industry Foundation	007555 University of Texas-MD Anderson Cancer Center	6938332	G	P402000	00006300 (SU2C-AACR-D1	Jacks /Tyler E	02/01/18	01/31/19	220,000	220,000	0
		6940365	G	P402000	00006300 (SU2C-AACR-D1	Jacks /Tyler E	02/01/19	01/31/20	92,051	0	(92,051)
	100462 Beckman Research Institute of City of Hope	6934202	G	P402000	SU2C-BCRF-2015-001	Irvine /Darrell J	06/01/15	06/30/19	0	101,042	0
		6936914	G	P402000	SU2C-BCRF-2015-001	Irvine /Darrell J	07/01/17	06/30/18	1,073	166,268	(0)
		6939655	G	P402000	SU2C-BCRF-2015-001	Irvine /Darrell J	07/01/18	06/30/19	143,597	138,589	(5,007)



**Massachusetts Institute of Technology**  
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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project W	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
	<b>Total by Primary Sponsor</b>								<b>456,720</b>	<b>625,900</b>	<b>(97,058)</b>
006112 Harvard Medical School	005260 Beth Israel Dea	6938687	G	P068100	01027589	Finkelstein /Stan Neil	06/01/18	08/31/18	26,570	26,570	(0)
	006112 Harvard Medical School	6938186	G	P061902	520.46334.026232	Greenberg /Julie E	02/01/18	05/31/19	0	4,665	1
		6938685	G	P061902	RENCOK-002	Greenberg /Julie E	02/01/18	01/15/19	2,332	4,664	(0)
		6939452	G	P061902	5T15LM007092	Greenberg /Julie E	09/01/18	05/31/19	10,007	10,007	(0)
		6939486	G	P061902	5T15LM007092	Greenberg /Julie E	06/01/18	05/31/19	5,417	5,461	44
		6939660	G	P158000	PELLETIER_DISCRETION	Fakhri /Nikta	09/01/18	05/31/19	19,294	20,604	1,310
		6940181	C	P069400	362130	Oye /Kenneth A	02/01/19	01/31/20	0	30,283	30,283
		6940356	G	P158000	PELLETIER DISCRETION	Fakhri /Nikta	01/16/19	05/31/19	19,399	19,399	(0)
	<b>Total by Primary Sponsor</b>								<b>83,019</b>	<b>121,653</b>	<b>31,638</b>
006120 Harvard University	006120 Harvard University	6939466	G	P061902	PO# J.HAHN HST FALL 20	Greenberg /Julie E	09/01/18	01/15/19	28,810	28,645	(165)
		6939532	G	P061902	PO#70002586255	Greenberg /Julie E	06/01/18	08/31/18	10,510	10,510	0
		6940221	G	P064000		Kolodziejwski /Leslie A	01/16/19	06/30/19	28,653	28,653	0
		6940388	G	P061901	168009.0001	Collins /James J.	01/24/19	01/23/20	0	4,141	4,141
		6940506	G	P061094	AGREEMENT DTD. 03/20/1	Barrett /Steven R. H.	12/01/18	08/31/19	30,715	34,836	4,121
	006570 Massachusetts	6939530	G	P061902	226198	Greenberg /Julie E	06/01/18	08/31/18	7,248	7,182	(66)
	<b>Total by Primary Sponsor</b>								<b>105,936</b>	<b>113,967</b>	<b>8,031</b>
006129 Henry Ford Health System	006129 Henry Ford Health System	6940885	G	P067952	AGREEMENT DATES 5/7/1	Barzilay /Regina	05/07/19	05/06/20	0	189,773	189,773
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>189,773</b>	<b>189,773</b>
006140 The William And Flora Hewlett Foundation	006140 The William And Flora Hewlett Foundation	6930452	G	P091020	2014-9907	Olken /Benjamin	07/14/14	06/14/20	143,318	22,478	(196,016)
		6930453	G	P091020	2014-9907	Olken /Benjamin	07/14/14	06/14/20	277,354	456,675	(998,686)
		6935038	G	P400600	2016-4429	Gabrieli /John D. E.	07/11/16	06/01/20	262,912	1,000,000	343,802
		6935277	G	P095500	GRANT #2016-4961	Stewart /Charles H	11/14/16	12/31/19	498,575	1,298,106	117,005
		6936945	G	P091020	2017-5774	Sautmann /Anja	07/01/17	06/30/20	68,148	700,000	172,343
		6937746	G	P091020	2017-5774	Sautmann /Anja	07/01/17	06/30/20	90,175	150,000	33,190
		6937747	G	P091020	2017-5774	Sautmann /Anja	07/01/17	06/30/20	134,054	150,000	737
		6939975	G	P122175	2018-8226	Rigobon /Roberto	12/01/18	12/01/21	71,706	250,000	178,294
		6940852	G	P091020	#2018-7992	Banerjee /Abhijit	11/01/18	11/01/20	0	500,000	500,000
	105286 National Writing	6940088	G	P093800	MA01-HEWLETT2018	Reich /Blair Justin F	11/26/18	10/31/19	46,401	42,500	(3,901)
	<b>Total by Primary Sponsor</b>								<b>1,592,644</b>	<b>4,569,759</b>	<b>146,768</b>
006146 The Paul G Allen Family Foundation	006146 The Paul G Allen Family Foundation	6931997	G	P400600	11860	Zhang /Feng	06/01/15	06/01/18	(34,535)	1,001,726	(0)
		6934284	G	P061901	12196	Collins /James J.	06/01/16	06/30/20	315,575	1,506,650	602,398
	<b>Total by Primary Sponsor</b>								<b>281,040</b>	<b>2,508,376</b>	<b>602,398</b>
006151 Johns Hopkins University	006151 Johns Hopkins University	6935142	G	P069201	AGREEMENT EFF. 07/01/2016	Fraenkel /Ernest	07/01/16	12/31/18	38,183	180,009	21,769
	<b>Total by Primary Sponsor</b>								<b>38,183</b>	<b>180,009</b>	<b>21,769</b>
006154 The Hong Kong University of Science & Technology	006154 The Hong Kong University of Science & Technology	6927641	C	P060600	AGREEMENT DATED APF	Sodini /Charles G	04/08/13	04/07/25	67,922	345,671	43,685
		6931482	C	P060600	AGREEMENT DATED APF	Sodini /Charles G	04/08/13	12/31/21	0	9,654	9,654
		6931484	C	P067952	ITS/143/14FP	Katabi /Dina	01/15/15	04/30/17	0	379,491	(0)

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6931779	C	P060600	ITS/195/14FP	Chandrakasan /Anantha P	01/15/15	04/14/17	0	233,980	0
		6931780	C	P267300	ITS/195/14FP	Kong /Jing	01/15/15	04/14/17	0	203,994	(0)
		6931781	C	P267600	ITS/195/14FP	Lu /Timothy K	01/15/15	09/29/17	0	234,999	0
		6934408	C	P067952	ITS/306/15FP	O'Reilly /Una-May	07/01/16	06/30/18	(18,687)	365,405	(5,273)
		6934409	C	P067952	ITS/205/15FP	Katz /Boris	07/01/16	06/30/18	(3,476)	439,925	66
		6935342	C	P065005	ITS/020/16FP	Shao-Horn /Yang	03/16/17	09/30/19	400,530	600,708	(1,487)
		6935401	C	P069850	ITS/020/16FP	Thompson /Carl Vernet	03/16/17	04/07/19	0	41,836	(0)
		6935520	C	P060600	ITS/211/16FP	Chandrakasan /Anantha P	01/15/17	03/31/19	74,747	304,621	474
		6935521	C	P060600	ITS/211/16FP	Kong /Jing	01/15/17	03/31/19	56,331	187,305	0
		6935522	C	P267600	ITS/211/16FP	Lu /Timothy K	01/15/17	01/14/19	36,348	187,305	(17,682)
		6935523	C	P063007	ITS/212/16FP	Williams /John R	12/01/16	05/30/19	103,615	143,699	130
		6935524	C	P063007	ITS/212/16FP	Williams /John R	12/01/16	05/30/19	150,299	168,581	18,282
		6935525	C	P068100	ITS/212/16FP	Larson /Richard Charles	12/01/16	05/30/19	96,766	168,581	7,764
		6936197	C	P065004	ITS/410/16FP	Fang /Xuanlai	06/01/17	11/30/19	0	0	233
		6936203	C	P065004	ITS/410/16FP	Fang /Xuanlai	06/01/17	11/30/19	85,502	151,794	27,755
		6936210	C	P031000	ITS/410/16FP	Glicksman /Leon R	06/01/17	11/30/19	78,993	180,000	30,062
		6936213	C	P267300	ITS/410/16FP	Wornell /Gregory W	06/01/17	11/30/19	22,149	95,000	52,394
		6936214	C	P267300	ITS/410/16FP	Zheng /Lizhong	06/01/17	11/30/19	58,409	140,000	49,810
		6936306	C	P067952	ITS/373/16FP	Katabi /Dina	02/28/17	02/27/19	63,950	380,058	(77)
		6936353	C	P267300	ITS/447/16FP	Chan /Vincent W. S.	05/01/17	10/31/19	207,487	499,875	68,190
		6938122	C	P068700	ITS/066/17FP	Win /Moe Z	01/01/18	12/31/19	279,799	561,606	218,318
		6938124	C	P065005	ITS/018/17FP	Rodriguez Garcia /Alberto	01/01/18	12/31/19	295,820	497,733	83,156
		6938825	C	P060600	AGREEMENT DATED APF	Sodini /Charles G	04/08/13	12/31/21	0	9,428	9,428
		6939044	C	P067952	ITS/227/17FP	Katz /Boris	07/01/18	06/30/20	216,133	431,015	214,882
		6939217	C	P067952	ITS/227/17FP	O'Reilly /Una-May	07/01/18	06/30/20	234,510	361,121	126,611
		6939721	C	P067952	ITS/457/17FP	Shah /Julie A	07/16/18	07/15/20	41,383	159,236	117,853
		<b>Total by Primary Sponsor</b>							<b>2,548,531</b>	<b>7,482,619</b>	<b>1,054,227</b>
006160 Howard Hughes Medical Institute	006160 Howard Hughes Medical Institute	6934524	G	P402000	55108580	Vander Heiden /Matthew G.	11/01/16	10/31/21	238,598	600,000	276,138
		6934722	G	P039070	55108505	Boyden /Edward	11/01/16	10/31/21	82,742	241,648	0
		6939678	G	P154500	55108580	Fiete /Ila R	08/01/18	10/31/21	59,590	337,597	278,007
	<b>Total by Primary Sponsor</b>								<b>380,929</b>	<b>1,179,245</b>	<b>554,145</b>
006180 Human Frontier Science Program	006180 Human Frontier Science Program	6933843	G	P039000	RGP0015/2016	Boyden /Edward	09/01/16	08/31/19	140,069	300,000	6,495
		6934279	G	P158000	CDA00053/2016-C	Fakhri /Nikta	07/01/16	06/30/19	(1,531)	132,142	64,318
		6934294	G	P158000	CDA00053/2016-C	Fakhri /Nikta	07/01/16	06/30/19	0	167,858	(64,318)
		6936029	G	P152000	RGY0076/2017	Schlau-Cohen /Gabriela S	11/01/17	10/31/20	83,172	250,000	136,987
		6938798	G	P154500	RGY0067/2016	Halassa /Michael	01/16/18	09/30/19	176,835	229,250	52,415
		6939683	G	P061901	RGP0057/2018	Mirny /Leonid A	11/01/18	12/31/21	42,230	40,000	(2,230)
		6940019	G	P154500	RGP0062/2014	Fiete /Ila R	08/01/18	12/31/19	31,672	38,806	7,134
	<b>Total by Primary Sponsor</b>								<b>472,446</b>	<b>1,158,056</b>	<b>200,801</b>
006234 Institute of International Education, Inc.	006234 Institute of International Education, Inc.	6938274	G	P039000	MACARTHUR GRANT NO.	Zuckerman /Ethan	12/01/17	12/31/17	6,000	6,000	0
	<b>Total by Primary Sponsor</b>								<b>6,000</b>	<b>6,000</b>	<b>0</b>
006300 The Robert Wood Johnson	006120 Harvard University	6939786	G	P121400	262496-5106843	Kelly /Erin L.	08/15/18	08/14/20	18,657	44,800	26,143
	006300 The Robert Wood Johnson	6931215	G	P091020	RWJF ID 72103	Finkelstein /Amy	10/01/14	09/30/18	44,027	108,168	0

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Wood Johnson Foundation	Wood Johnson Foundation	6931216	G	P091020	RWJF ID 72103	Finkelstein /Amy	10/01/14	09/30/18	35,479	296,369	0
		6933143	G	P039000	73252	Zuckerman /Ethan	12/15/15	06/30/18	53,228	1,104,817	0
		6935092	G	P091020	74024	Finkelstein /Amy	10/01/16	03/31/19	3,631	7,068	3,404
		6935093	G	P091020	74024	Finkelstein /Amy	10/01/16	03/31/19	126,235	242,932	(2,437)
		6936198	G	P039000	ID 74479	Oxman /Neri	05/01/17	12/31/19	295,728	583,733	71,586
		6937075	G	P039000	74694	Lippman /Andrew B	09/01/17	08/31/18	61,202	326,373	0
	101210 Conservation Li	6937836	C	P035000	AGMT DRD AUG 15, 2017	Arcaya /Mariana Clair	08/15/17	06/14/20	201,878	714,281	476,888
	<b>Total by Primary Sponsor</b>								<b>840,065</b>	<b>3,428,540</b>	<b>575,584</b>
006306 The Joyce Foundation	006306 The Joyce Foundation	6935345	G	P095500	GRANT ID 16-37496	Stewart /Charles H	01/01/17	08/31/19	13,982	200,000	114,870
		6938112	G	P065004	GRANT ID 17-38164	Hart /Anastasios John	01/01/18	06/30/20	78,792	500,000	421,208
	<b>Total by Primary Sponsor</b>								<b>92,774</b>	<b>700,000</b>	<b>536,077</b>
006310 Juvenile Diabetes Research Foundation International	006310 Juvenile Diabetes Research Foundation International	6936182	G	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/17	05/31/20	459	347,328	(0)
		6936318	G	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/17	05/31/18	0	0	0
		6939250	G	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/18	05/31/19	157,169	350,172	193,003
		6939827	G	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/17	07/31/19	328,264	611,867	283,603
		6941100	G	P062000	3-SRA-2017-426-A-N	Strano /Michael S.	06/01/19	05/31/20	0	350,000	350,000
	<b>Total by Primary Sponsor</b>								<b>485,892</b>	<b>1,659,367</b>	<b>826,606</b>
006344 Interamerican Development Bank	006344 Interamerican Development Bank	6937787	C	P065005	ADM/CANCBO/14-2017	Winter /Amos G	11/28/17	09/30/18	23,929	45,000	(0)
		6937790	C	P065005	C-BO-RG-T2895-P001/RG-	Winter /Amos G	12/07/17	09/30/18	24,936	25,000	(0)
	<b>Total by Primary Sponsor</b>								<b>48,864</b>	<b>70,000</b>	<b>(0)</b>
006349 Lockheed Martin Missiles and Fire Control	006349 Lockheed Martin Missiles and Fire Control	6919954	C	P320000	LMC SUSTAINING MEMBE	Armstrong /Robert C	07/06/09	08/31/17	0	7,194	7,194
		6921803	C	P320000	LMC SUSTAINING MEMBE	Prinn /Ronald G	04/01/10	09/30/10	0	144,036	(0)
		6921914	C	P320000	LMC SUSTAINING MEMBE	Mitsos /Alexander	01/01/10	06/30/11	0	24,307	(0)
		6922347	C	P320000	LMC SUSTAINING MEMBE	Kirchain /Randolph E	06/01/10	05/31/11	0	241,166	0
		6922673	C	P320000	LMC SUSTAINING MEMBE	Malnati /Christine M	07/06/09	07/05/15	0	400,000	0
		6922890	C	P320000	LMC SUSTAINING MEMBE	Lloyd /Seth	09/01/10	08/31/11	0	59,987	0
		6923938	C	P320000	LMC SUSTAINING MEMEB	Trancik /Jessika	05/01/11	01/15/12	0	142,811	(0)
		6924660	C	P320000	LMC SUSTAINING MEMEB	Barrett /Steven R. H.	03/01/11	03/31/11	0	41,583	0
		6925027	C	P320000	LMC SUSTAINING MEMEB	Barrett /Steven R. H.	09/01/11	12/31/12	0	214,484	0
		6925432	C	P320000	LMC SUSTAINING MEMBE	Malnati /Christine M	01/01/12	12/31/14	0	600,000	0
		6925517	C	P320000	LMC SUSTAINING MEMEB	Larson /Kent	03/01/12	08/31/12	0	49,733	(0)
		6925518	C	P320000	LMC SUSTAINING MEMBE	Belcher /Angela M	04/01/12	03/31/14	0	150,000	(0)
		6925519	C	P320000	LMC SUSTAINING MEMEB	Lozano /Paulo C	04/01/12	03/31/14	0	299,508	(0)
		6927028	C	P320000	LMC SUSTAINING MEMBE	Malnati /Christine M	10/01/12	08/31/13	0	15,000	0
		6927642	C	P320000	LMC SUSTAINING MEMBE	Li /Ju	04/01/13	03/14/16	0	449,549	(0)
		6928095	C	P320000	LMC SUSTAINING MEMBE	Grossman /Jeffrey C.	09/01/13	02/28/15	0	199,929	(0)
		6929650	C	P320000	LMCO RPP E14-001	Kim /Sangbae	04/01/14	08/31/14	0	20,765	(0)
		6930499	C	P320000	LMCO RPP E14-005	Hager /Bradford H	08/15/14	12/14/15	0	182,832	(0)
		6930658	C	P320000	LMCO RPP S15-006	Jay /Jason Jesurum	08/15/14	02/14/16	0	133,797	0
		6930684	C	P320000	LMCO RPP S14-007	Grossman /Jeffrey C.	09/01/14	08/31/15	0	150,000	0
		6930685	C	P320000	LMCO RPP S14-008	Karnik /Rohit	09/01/14	03/31/16	0	236,711	0
		6930915	C	P320000	LMCO RPP S14-012	Kim /Sangbae	10/15/14	10/14/15	0	129,989	0
		6930916	C	P320000	LMCO RPP S14-014	Perreault /David J	10/15/14	05/29/15	0	44,694	(0)

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		6930985	C	P320000	LMCO RPP S14-016	Hart /Anastasios John	10/15/14	12/31/17	0	324,482	0
		6931156	C	P320000	LMCO RPP S14-008	Karnik /Rohit	11/01/14	03/31/16	0	21,768	0
		6931644	C	P320000	LMCO RPP S14-016	Hart /Anastasios John	10/15/14	08/31/17	0	30,064	0
		6932159	C	P320000	LMCO RPP S15-014	Vandiver /John Kim	03/01/15	12/31/15	0	49,900	(0)
		6932536	C	P320000	LMCO RPP S15-015	Trancik /Jessica	08/01/15	07/31/17	0	185,711	0
		6934053	C	P320000	RPP S16-004	How /Jonathan P	03/15/16	10/31/16	0	86,137	0
		6934133	C	P320000	S16-005	Hoffman /Jeffrey A	01/01/16	08/31/16	0	51,444	0
		<b>Total by Primary Sponsor</b>							<b>0</b>	<b>4,687,581</b>	<b>7,194</b>
006354 iFLYTEK, Company	006354 iFLYTEK, Company	6938803	C	P067950	AGMT. DTD. 07/01/2018	Rus /Daniela L	07/01/18	06/30/23	0	400,000	400,000
		6938804	C	P067952	AGMT. DTD. 07/01/2018	Glass /James R	07/01/18	06/30/21	290,535	300,000	9,465
		6938805	C	P067952	AGMT. DTD. 07/01/2018	Tenenbaum /Joshua B	07/01/18	06/30/23	325,789	300,000	(25,789)
		6938806	C	P067952	AGMT. DTD. 07/01/2018	Davis /Randall	07/01/18	06/30/23	249,204	300,000	50,796
		6939131	C	P067950	AGMT. DTD. 07/01/2018	Rus /Daniela L	07/01/18	06/30/23	428,035	200,000	(228,035)
		6940821	C	P067950	AGMT. DTD. 07/01/2018	Rus /Daniela L	07/01/18	06/30/23	19,091	0	(19,091)
		6940866	C	P067950	AGMT. DTD. 07/01/2018	Rus /Daniela L	07/01/18	06/30/23	19,782	0	(19,782)
		<b>Total by Primary Sponsor</b>							<b>1,332,435</b>	<b>1,500,000</b>	<b>167,565</b>
006357 Kauffman Foundation	006357 Kauffman Foundation	6930570	G	P091000	GRANT ID #20140502	Williams /Heidi L	06/10/14	05/31/18	(27)	35,000	(0)
		6936925	G	P121400	G-201704-2086	Catalini /Christian	08/01/17	07/31/20	(4,984)	25,000	(10,000)
		6937912	G	P039000	RG-201706-2386	Pentland /Alex Paul	10/15/17	03/14/19	179,192	247,511	0
		6939642	G	P122070	RG-201807-4773	Schoar /Antoinette	10/01/18	10/15/22	44,085	356,148	312,063
		6939686	G	P121175		Brynjolfsson /Erik	10/01/18	09/30/23	32,683	373,000	340,317
	012124 Innovation Grov	6936106	G	P067952	AWARD EFFECTIVE 03/30	Thompson /Neil	03/30/17	06/30/20	1,362	50,626	46,606
	<b>Total by Primary Sponsor</b>								<b>252,311</b>	<b>1,087,285</b>	<b>688,986</b>
006381 Komatsu, Limited	006381 Komatsu, Limited	6934151	C	P065004	AGMT DTD 5/30/16	Asada /Haruhiko	07/01/16	06/30/20	163,711	631,870	55,758
		6935973	C	P065004	AGMT DTD 5/30/16	Asada /Haruhiko	03/01/17	06/30/20	6,514	8,130	257
	<b>Total by Primary Sponsor</b>								<b>170,225</b>	<b>640,000</b>	<b>56,015</b>
006428 Knight Foundation	006428 Knight Foundation	6930304	G	P067952	GR-2014-48536	Berners-Lee /Timothy J	03/01/14	01/31/18	16,164	252,571	(0)
		6931126	G	P039000	GR-2014-48697	Zuckerman /Ethan	11/01/14	04/30/20	69,330	724,075	94,784
		6935363	G	P039000	GR 2016-53267	Schmidt /Jan Philipp	11/01/16	12/31/18	83,030	255,248	(0)
		6939094	G	P093700	G-2018-56345	Egozy /Eran	07/13/18	07/15/19	35,214	50,000	14,786
	<b>Total by Primary Sponsor</b>								<b>203,738</b>	<b>1,281,894</b>	<b>109,570</b>
	006431 Kaist (Korea Advanced Institute of Sciences & Technology)	6937985	C	P068700	AGMT. DTD. 12/18/17	Shah /Devavrat	12/18/17	06/17/18	(37)	90,000	(0)
		6939442	C	P068700	AGMT DTD 09/05/2018	Shah /Devavrat	07/01/18	03/31/19	84,689	85,000	311
	<b>Total by Primary Sponsor</b>								<b>84,652</b>	<b>175,000</b>	<b>311</b>
006433 Esther A. & Joseph Klingenstein Fund Incorporated	006433 Esther A. & Joseph Klingenstein Fund Incorporated	6938807	G	P154500	AGREEMENT DATED 5/7/1	Halassa /Michael	01/16/18	05/31/19	43,916	47,599	0
		6938881	G	P400600	TBD	Harnett /Mark Thomas	07/01/18	06/30/19	49,258	75,000	25,742
	<b>Total by Primary Sponsor</b>								<b>93,175</b>	<b>122,599</b>	<b>25,742</b>

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006434 Korea Institute of Science & Technology (KIST)	006434 Korea Institute of Science & Technology (KIST)	6936282	G	P063000	AGREEMENT DTD 01/01/2017	Juanes /Ruben	01/01/17	12/31/18	16,287	43,793	0
		6938219	G	P063007	AGREEMENT DTD 01/01/2018	Williams /John R	01/01/18	12/31/18	18,305	45,455	(0)
		6938536	C	P066000	AGREEMENT DTD 05/02/18	Beach /Geoffrey Stephen	01/01/18	12/31/18	23,075	70,000	92
		6938661	C	P060600	AGMT DTD 6/11/18	del Alamo /Jesus A	06/01/18	12/31/19	53,329	57,522	4,193
	006570 Massachusetts	6940215	G	P064000	230823	Mark /Roger G	09/01/18	11/13/18	4,093	4,093	0
	<b>Total by Primary Sponsor</b>								<b>115,089</b>	<b>220,863</b>	<b>4,284</b>
006438 Kuwait Foundation for the Advancement of Sciences	006438 Kuwait Foundation for the Advancement of Sciences	6926078	G	P267300	MODIFIED GRANT AGMT.	Leeb /Steven B	07/01/12	12/31/14	0	200,000	(0)
		6926084	G	P065004	MODIFIED GRANT AGMT.	Kim /Sangbae	07/01/12	12/31/14	0	200,000	0
		6926460	G	P153000	MODIFIED GRANT AGMT.	Fehler /Michael C	09/01/12	08/31/14	0	200,000	0
		6926792	G	P063007	MODIFIED GRANT AGMT.	Buyukozturk /Oral	02/01/13	12/31/17	0	3,782,870	0
		6927684	G	P068000	MODIFIED GRANT AGMT.	Li /Ju	06/01/13	05/31/15	0	200,000	(0)
		6927685	G	P065003	MODIFIED GRANT AGMT.	Youcef-Toumi /Kamal	08/01/13	12/31/15	0	199,989	(0)
		6927686	G	P267300	MODIFIED GRANT AGMT.	Leeb /Steven B	09/01/13	08/31/15	0	200,000	0
		6927687	G	P062000	MODIFIED GRANT AGMT.	Strano /Michael S.	06/01/13	05/31/15	0	199,914	(0)
		6929657	G	P068000	MODIFIED GRANT AGMT.	Buongiorno /Jacopo	05/01/14	09/01/16	0	200,000	(0)
		6929658	G	P062000	MODIFIED GRANT AGMT.	Brushett /Fikile R	06/01/14	05/31/16	0	200,000	0
		6929659	G	P151000	MODIFIED GRANT AGMT.	Jaenisch /Rudolf	09/01/14	08/31/16	0	200,000	0
		6929660	G	P062000	MODIFIED GRANT AGMT.	Bazant /Martin Z	06/01/14	02/01/17	0	178,204	0
		6930547	G	P062000	MODIFIED GRANT AGMT.	Bazant /Martin Z	08/12/14	05/31/15	0	17,261	0
		6931648	G	P267110	MODIFIED GRANT AGMT.	Han /Jongyeon	01/01/15	04/30/19	0	305	305
		6931742	G	P267110	MODIFIED GRANT AGMT.	Han /Jongyeon	01/01/15	04/30/19	212,097	1,022,519	15,176
		6931743	G	P267110	MODIFIED GRANT AGMT.	Han /Jongyeon	01/01/15	04/30/19	5,923	11,550	(45)
		6931744	G	P062000	MODIFIED GRANT AGMT.	Gleason /Karen K	01/01/15	04/30/19	76,178	747,549	(0)
		6931745	G	P402410	MODIFIED GRANT AGMT.	Lienhard /John H	01/01/15	04/30/19	131,336	1,146,794	3,335
		6931746	G	P267500	MODIFIED GRANT AGMT.	White /Jacob K	01/01/15	04/30/19	0	323,836	17,375
		6931747	G	P063007	MODIFIED GRANT AGMT.	Adams /Edward E	01/01/15	04/30/19	(47,330)	732,816	768
		6931774	G	P035000	MOD 7 SIGNATURE PROJ	Ratti /Carlo	11/01/15	10/31/19	78,691	279,842	(90)
		6931817	G	P267600	MODIFIED GRANT AGMT.	Lu /Timothy K	09/01/15	11/01/18	41,750	200,000	31,880
		6931818	G	P068700	MODIFIED GRANT AGMT.	Roosbehani /Mardavij	09/01/15	08/31/17	0	199,990	(0)
		6933374	G	P063007	MODIFIED GRANT AGMT. SIGNED 5/2/12	Adams /Edward E	01/01/16	12/31/18	0	14,767	0
		6933587	G	P035000	MOD 7 SIGNATURE PROJ	Ratti /Carlo	11/01/15	10/31/19	265,391	841,810	5,596
		6933588	G	P069201	MOD 7 SIGNATURE PROJ	Alm /Eric J	11/01/15	10/31/19	373,144	761,532	(101,824)
		6933589	G	P069201	MOD 7 SIGNATURE PROJ	Runstadler /Jonathan	11/01/15	11/01/18	0	149,031	(0)
		6933590	G	P063007	MOD 7 SIGNATURE PROJ	Polz /Martin F	11/01/15	10/31/19	13,145	93,125	(0)
		6933591	G	P063007	MOD 7 SIGNATURE PROJ	Eltahir /Elfatih A. B.	11/01/15	10/31/19	0	99,649	0
		6933592	G	P067952	MOD 7 SIGNATURE PROJ	Rus /Daniela L	11/01/15	10/31/19	60,308	140,574	16,819
		6933593	G	P069200	MOD 7 SIGNATURE PROJ	Alm /Eric J	11/01/15	10/31/19	141,085	333,920	(42,447)
		6934337	G	P063007	LTR. AGREEMENT DTD. 0	Entekhabi /Dara	03/01/16	02/28/19	21,155	33,093	139
		6935606	G	P267500	MODIFIED GRANT AGMT.	White /Jacob K	01/01/17	04/30/19	0	124,864	(3,000)
	<b>Total by Primary Sponsor</b>								<b>1,372,873</b>	<b>13,235,805</b>	<b>(56,014)</b>
006443 L3 Communications Integrated System	006443 L3 Communicat	6938224	C	P065004	AGREEMENT DATED 2/1/1	Hart /Douglas	09/07/17	12/31/19	134,614	200,000	62,179
	<b>Total by Primary Sponsor</b>								<b>134,614</b>	<b>200,000</b>	<b>62,179</b>

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006461 The Lemelson Foundation	006461 The Lemelson Foundation	6940791	G	P061100	GRANT 18-01545	Cima /Michael J	01/01/19	10/31/19	0	24,750	24,750
		6940792	G	P061100	GRANT 18-01545	Cima /Michael J	01/01/19	12/31/19	910	24,728	23,818
	<b>Total by Primary Sponsor</b>								<b>910</b>	<b>49,478</b>	<b>48,568</b>
006475 Leukemia and Lymphoma Society	006475 Leukemia and Lymphoma Society	6936763	G	P402000	6537-18	Koehler /Angela Nicole	10/01/17	09/30/18	56,893	200,000	0
		6939568	G	P402000	6537-18	Koehler /Angela Nicole	10/01/18	09/30/19	108,142	200,000	91,858
	<b>Total by Primary Sponsor</b>								<b>165,034</b>	<b>400,000</b>	<b>91,858</b>
006484 General Electric Company	006484 General Electric Company	6926006	C	P060600	AGMT. DTD. 4/25/11 PO# 4	Sodini /Charles G	04/01/12	09/30/18	(1,741)	20,148	25
		6927104	C	P267500	AGMT. DTD. 4/25/11 PO# 4	Stultz /Collin M	04/01/12	12/31/16	0	274,000	(0)
		6931067	C	P060600	AGMT. DTD. 4/25/11 PO# 4	Sodini /Charles G	04/01/12	12/31/16	0	11,852	(0)
		6937748	G	P320000	AGREEMENT EFF. 08/15/2	Paltsev /Sergey	12/01/17	04/30/19	107,531	245,000	661
		6937903	G	P320000	AGREEMENT EFF. 08/15/2	Paltsev /Sergey	08/14/17	04/30/19	110,653	225,000	307
		6938305	G	P320109	AGREEMENT EFF. 08/15/2	Tan /Choon S	09/01/18	08/31/22	122,081	211,212	89,131
		6938510	G	P320105	AGREEMENT EFF. 08/15/2	Li /Ju	04/01/18	03/31/20	107,747	125,000	(8,272)
		6938821	G	P320109	AGREEMENT EFF. 08/15/2	O'Sullivan /Francis Martin	03/01/18	02/29/20	229,773	255,000	25,227
	<b>Total by Primary Sponsor</b>								<b>676,044</b>	<b>1,367,212</b>	<b>107,078</b>
006511 Sanofi Pasteur S.A.	006511 Sanofi Pasteur S.A.	6935156	G	P069400	AGMT DTD 8/1/16	Sinskey /Anthony J	10/01/16	01/15/19	33,513	581,047	137
		6938995	G	P069400	AGMT DTD 8/1/16	Sinskey /Anthony J	10/01/16	01/15/19	43,910	43,910	0
	<b>Total by Primary Sponsor</b>								<b>77,423</b>	<b>624,957</b>	<b>137</b>
006550 Macarthur Foundation	006550 Macarthur Foundation	6927485	G	P091020	12-101327-000-INP	Banerjee /Abhijit	12/01/12	12/31/18	145,477	461,934	0
		6929535	G	P091020	12-101327-000-INP	Banerjee /Abhijit	12/01/12	12/31/18	59,196	469,085	0
		6931368	G	P091020	14-106699-000-INP	Dufflo /Esther	09/10/14	08/31/18	0	351,596	5,239
		6935652	G	P039000	16-1606-150944-JOU	Zuckerman /Ethan	01/01/17	06/30/19	372,658	605,122	(23,667)
		6940045	G	P093800	18-1708-152239-JOU	Uricchio /William C	10/01/18	09/30/19	236,860	300,000	63,140
	006829 New York University	6936414	G	P067952	PO# IB00111419 / SUBAWARD NO. R4899-1C	Berners-Lee /Timothy J	01/01/17	12/31/18	105,276	222,391	0
	<b>Total by Primary Sponsor</b>								<b>919,467</b>	<b>2,410,127</b>	<b>44,712</b>
006570 Massachusetts General Hospital	006570 Massachusetts General Hospital	6937781	G	P061902	228296	Greenberg /Julie E	09/01/17	05/31/18	650	18,130	(0)
		6937934	C	P064000	228296	Mark /Roger G	09/01/17	05/31/18	0	28,474	2,819
		6938517	G	P400600	223875	Crittenden /Jill R	09/01/17	12/31/19	120,358	137,500	17,142
		6938742	G	P061901	231117 -SAMUEL ALLON	Shalek /Alexander K	06/01/17	05/31/18	7,932	23,548	0
		6939139	G	P064000		Adalsteinsson /Elfar	06/01/18	05/31/19	10,061	10,061	0
		6939257	C	P069501	232357	Coughlin /Joseph F	07/01/18	06/30/20	61,458	240,000	178,542
		6939384	G	P061901	228458	Shalek /Alexander K	01/01/18	06/16/18	6,945	6,945	0
		6939425	G	P061901	231117	Shalek /Alexander K	04/01/18	12/31/18	977	615	(362)
		6939435	C	P400600	223875	Crittenden /Jill R	01/01/18	12/31/19	8,062	19,305	11,243
		6939468	G	P061902	228296	Greenberg /Julie E	06/01/18	05/31/19	19,769	19,663	(105)
		6939550	G	P061902	229297	Greenberg /Julie E	09/01/18	05/31/19	57,621	37,372	(20,249)
		6939551	G	P061902	228601	Greenberg /Julie E	09/01/18	05/31/19	27,439	55,933	28,494
		6939558	G	P061902	229297	Greenberg /Julie E	09/01/18	05/31/19	41,476	60,298	18,822
		6939622	G	P064000	231409	Adalsteinsson /Elfar	09/01/18	08/31/19	57,888	64,589	6,701

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		6939626	G	P061902	229297	Greenberg /Julie E	06/01/18	07/31/18	7,697	7,698	2
		6939627	G	P061902	229297	Greenberg /Julie E	06/01/18	07/31/18	7,657	7,657	0
		6939629	G	P061902	229297	Greenberg /Julie E	06/01/18	07/31/18	7,027	7,028	1
		6939630	G	P061901	232277	Shalek /Alexander K	09/01/18	12/31/18	6,042	6,042	0
		6939643	G	P061902	229297	Greenberg /Julie E	08/01/18	08/31/18	3,878	3,838	(40)
		6939665	G	P061902	212953	Greenberg /Julie E	06/01/18	08/31/18	2,560	2,562	2
		6939913	G	P061902	212953	Greenberg /Julie E	09/01/18	05/31/19	36,213	35,990	(223)
		6940391	G	P061902	216042	Greenberg /Julie E	01/16/19	05/31/19	28,810	28,811	1
		6941070	G	P061902	228296	Greenberg /Julie E	09/01/18	05/31/19	0	19,918	19,918
Total by Primary Sponsor									520,517	841,977	262,709
006578 Massachusetts Technology Collaborative	006578 Massachusetts	6939261	C	P069850	MA AFFOA AGREEMENT	Tibbits /Skylar	11/01/17	06/30/18	90,000	90,000	0
	Total by Primary Sponsor									90,000	90,000
006593 McKnight Foundation	006593 McKnight Foundation	6934772	G	P061901	AGREEMENT EFF. 08/01/2	Chung /Kwanghun	08/01/16	07/31/19	14,448	200,000	183,639
		6940715	G	P400600	AGREEMENT DTD. 4/9/20	Harnett /Mark Thomas	07/01/19	06/30/20	0	75,000	75,000
	Total by Primary Sponsor									14,448	275,000
006594 James S. McDonnell Foundation	006594 James S. McDonnell Foundation	6926096	G	P154500	220020331	McDermott /Joshua Hartman	09/01/12	08/31/20	19,588	600,000	6,775
		6934461	G	P158000	JSMF GRANT NO. 220020	England /Jeremy L.	10/01/16	06/30/19	102,396	337,500	71,911
		6935140	G	P154000	JSMF GRANT NO. 220020	Dunkel /Joern	10/01/16	09/30/20	100,194	450,000	119,845
	007380 Stanford University	6938656	G	P400600	PO#61662261 SPO#12454	DiCarlo /James	08/21/17	06/30/19	(7,759)	13,187	36
		6939348	G	P400600	PO#61662261 SPO#12454	DiCarlo /James	01/01/18	06/30/19	62,799	80,086	17,287
	Total by Primary Sponsor									277,218	1,480,772
006596 McKnight Endowment Fund	006596 McKnight Endowment Fund	6931980	G	P159300	LTR. DTD. 5/12/15	Tye /Kay M.	07/01/15	06/30/18	12,272	225,000	(0)
		6936558	G	P400600	AGREEMENT DATED 5-10	Jazayeri /Mehrdad	07/01/17	06/30/19	21,040	150,000	73,136
		6938843	G	P400600	AGMT. DTD. 6/12/2018	Fee /Michale Sean	08/01/18	07/31/20	144,270	200,000	55,730
	Total by Primary Sponsor									177,583	575,000
006604 Andrew W. Mellon Foundation	006604 Andrew W. Mellon	6932135	G	P093200	11500608	Jones /Graham M	03/25/15	08/24/19	9,849	259,100	48,449
	Total by Primary Sponsor									9,849	259,100
006669 FQXI	011199 Silicon Valley C	6940153	G	P158000	2018-190474	Harrow /Aram W.	11/01/18	08/31/20	0	12,000	12,000
	Total by Primary Sponsor									0	12,000
006700 Muscular Dystrophy Assoc. of America, Incorporated	006700 Muscular Dystrophy Assoc. of America, Incorporated	6939779	G	P061901	MDA577961	Roche /Ellen	10/01/18	09/30/21	19,146	300,000	280,854
	Total by Primary Sponsor									19,146	300,000
006716 Eni S.p.A.	006716 Eni S.p.A.	6917399	C	P320000	52000003626	Armstrong /Robert C	03/01/08	12/31/16	0	519,078	519,078
		6917400	C	P320000	CONTRACT NO. 520000036	van der Hilst /Robert D	03/01/08	06/30/13	0	4,859,675	(0)
		6917401	C	P320000	52000003626	Juanes /Ruben	03/01/08	03/31/10	0	37,849	(0)
		6917402	C	P320000	CONTRACT NO. 520000036	McRae /Gregory J	03/01/08	03/31/12	0	475,675	(0)
		6917403	C	P320000	52000003626	Heywood /John B	04/01/08	12/31/15	0	525,177	0
		6917404	C	P320000	CONTRACT NO. 520000036	Cheng /Wai K	03/01/08	12/31/11	0	1,163,639	0

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		6917405	C	P320000	CONTRACT NO. 52000036	Belcher /Angela M	03/01/08	12/31/11	0	700,236	(0)
		6917406	C	P320000	CONTRACT NO. 52000036	Belcher /Angela M	03/01/08	05/31/13	0	1,590,015	(0)
		6917407	C	P320000	52000003626 / 521000054	Reilly /John M	03/01/08	12/31/16	0	883,018	0
		6917408	C	P320000	CONTRACT NO. 52000036	de Neufville /Richard L	03/01/08	12/31/11	0	230,254	(0)
		6917409	C	P320000	CONTRACT NO. 5200003626 PO NO.	Armstrong /Robert C	03/01/08	01/31/16	0	736,303	0
		6917465	C	P320000	5200003654	Armstrong /Robert C	03/01/08	12/31/13	0	159,453	159,453
		6917467	C	P320000	CONTRACT NO. 52000036	Hammond /Paula T	03/01/08	02/28/13	0	3,530,594	0
		6917468	C	P320000	CONTRACT NO. 52000036	Slocum /Alexander H	03/01/08	12/31/12	0	915,087	247
		6917469	C	P320000	CONTRACT NO. 52000036	Nocera /Daniel G	03/01/08	12/31/12	0	1,205,337	0
		6917470	C	P320000	CONTRACT NO. 52000036	Ceder /Gerbrand	03/01/08	12/31/11	0	819,946	0
		6917649	C	P320000	5200003654	Shao-Horn /Yang	03/01/08	12/31/12	0	594,219	(0)
		6917650	C	P320000	5200003654	Jensen /Klavs F	03/01/08	12/31/12	0	377,979	0
		6917651	C	P320000	5200003654	Cummins /Christopher C	03/01/08	12/31/12	0	350,045	(0)
		6917869	C	P320000	5200003654	Marzari /Nicola	03/01/08	12/31/10	0	379,519	(0)
		6917870	C	P320000	5200003654	Sadoway /Donald Robert	03/01/08	12/31/10	0	409,765	0
		6917871	C	P320000	5200003654	Van Voorhis /Troy	03/01/08	12/31/10	0	459,902	0
		6917873	C	P320000	52000003626	McLaughlin /Dennis	03/01/08	06/30/13	0	1,111,453	0
		6918969	C	P320000	52000003626	Belcher /Angela M	08/01/08	03/31/10	0	16,733	0
		6919122	C	P320000	52000003626	Stellacci /Francesco	12/19/08	03/31/10	0	0	0
		6919123	C	P320000	5200003654	Gschwend /Philip M	12/19/08	03/31/10	0	0	0
		6919124	C	P320000	5200003654	Hatton /Trevor Alan	12/19/08	03/31/10	0	0	0
		6919146	C	P320000	5200003654	Bulovic /Vladimir	12/19/08	12/31/13	0	157,516	0
		6919147	C	P320000	5200003654	Gleason /Karen K	12/19/08	12/31/13	0	229,558	(0)
		6919161	C	P320000	5200003654	Bulovic /Vladimir	12/19/08	12/31/13	0	1,551,048	(0)
		6919162	C	P320000	5200003654	Gradecak /Silvija	12/19/08	12/31/13	0	785,281	0
		6919163	C	P320000	5200003654	Strano /Michael S.	12/19/08	12/31/13	0	782,000	0
		6919164	C	P320000	5200003654	Bawendi /Moungi G	12/19/08	12/31/13	0	776,894	(0)
		6919165	C	P320000	5200003654	Swager /Timothy M	12/19/08	12/31/13	0	782,000	(0)
		6919166	C	P320000	5200003654	Stellacci /Francesco	12/19/08	12/31/13	0	333,089	0
		6919205	C	P035000	5200003654	Gleason /Karen K	12/19/08	12/31/13	0	2,185,838	0
		6919206	C	P320000	5200003654	Strano /Michael S.	12/19/08	12/31/13	0	654,128	(0)
		6919207	C	P320000	5200003654	Buonassisi /Anthony	12/19/08	12/31/13	0	541,760	(0)
		6919208	C	P320000	5200003654	Kong /Jing	12/19/08	12/31/13	0	533,001	(0)
		6919209	C	P320000	5200003654	Bulovic /Vladimir	12/19/08	12/31/13	0	1,050,788	(0)
		6920371	C	P320000	52000003626	Juanes /Ruben	03/01/09	06/30/13	0	1,364,112	(0)
		6920964	C	P320000	CONTRACT NO. 52000036	Stellacci /Francesco	12/19/08	03/31/12	0	0	0
		6920965	C	P320000	52000003626	Stellacci /Francesco	12/19/08	03/31/12	0	334,537	(0)
		6920966	C	P320000	52000003626	Gschwend /Philip M	12/19/08	11/30/11	0	349,283	(0)
		6920967	C	P320000	52000003626	Hatton /Trevor Alan	12/19/08	11/29/11	0	316,133	0
		6921316	C	P320000	5200003654	Bulovic /Vladimir	12/23/09	02/29/12	0	1,009,600	0
		6921324	C	P320000	52000003626	Bulovic /Vladimir	12/23/09	03/31/11	0	774,590	0
		6921380	C	P320000	52000003626	Belcher /Angela M	01/07/10	12/31/10	0	79,716	0
		6921542	C	P320000	5200003654	Slocum /Alexander H	03/01/09	03/31/12	0	24,839	0
		6921982	C	P320000	CONTRACT NO. 52000036	Juanes /Ruben	03/01/10	05/16/12	0	432,946	0
		6922205	C	P320000	5200003654	Lloyd /Seth	07/01/10	12/31/10	0	41,830	(0)
		6923233	C	P320000	5200003654 PO NO. 43100	Van Voorhis /Troy	01/01/11	06/30/13	0	410,257	(0)
		6923234	C	P320000	5200003654, PO NO. 4310	Ceder /Gerbrand	01/01/11	12/31/12	0	400,447	(0)
		6923235	C	P320000	5200003654, PO NO. 4310	Sadoway /Donald Robert	01/01/11	06/30/13	0	186,372	(0)

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6923244	C	P320000	CONTRACT NO. 52000036	Gschwend /Philip M	01/01/11	06/30/13	0	533,667	0
		6923245	C	P320000	CONTRACT NO. 52000036	Hatton /Trevor Alan	01/01/11	06/30/13	0	208,499	(0)
		6923268	C	P320000	52000003626	Armstrong /Robert C	03/01/08	05/30/14	0	0	0
		6923270	C	P320000	52000003626	Lloyd /Seth	11/01/10	12/31/11	0	127,212	0
		6923271	C	P320000	52000003626	Doyle /Patrick S	01/01/11	12/31/13	0	199,101	0
		6923376	C	P320000	52000003654	Grossman /Jeffrey C.	12/19/10	12/31/13	0	339,964	(0)
		6923872	C	P320000	CONTRACT NO. 52000036	Gschwend /Philip M	01/01/11	09/30/13	0	1,000,000	0
		6924629	C	P320000	CONTRACT NO. 52000036	Adams /Edward E	09/01/11	09/30/13	0	196,483	(0)
		6925096	C	P320000	52000003626	Roman /Yuriy	12/01/11	02/28/13	0	200,000	(0)
		6925124	C	P320000	5210000541 WO 4310162	Reilly /John M	09/01/11	05/31/17	0	625,000	0
		6925125	C	P320000	52000003626	Einstein /Herbert H	01/01/12	01/31/14	0	199,749	(0)
		6925296	C	P320000	52000003626 - PO 4310008	Grossman /Jeffrey C.	01/01/12	02/28/13	0	199,952	(0)
		6925623	C	P320000	52000003654	Bawendi /Moungi G	01/01/12	12/31/13	0	177,259	0
		6925630	C	P320000	52000003654	Swager /Timothy M	01/01/12	09/15/13	0	177,270	(0)
		6925994	C	P320000	CONTRACT NO. 52000036	Lloyd /Seth	03/01/08	02/28/14	0	108,284	(0)
		6926023	C	P320000	52000003654	Gleason /Karen K	06/13/12	06/30/13	0	143,910	0
		6926391	C	P320000	CONTRACT NO. 52000036	Belcher /Angela M	09/01/12	05/31/13	0	60,000	0
		6927156	C	P320000	52000003626	Heywood /John B	01/01/13	08/31/15	0	120,000	0
		6927495	C	P320000	5210000541	Armstrong /Robert C	01/01/13	05/31/18	0	16,959	16,959
		6927496	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/16	0	155	155
		6927497	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/16	0	0	0
		6927498	C	P320000	5210000541	Slocum /Alexander H	03/01/13	06/30/16	0	289,902	0
		6927499	C	P320000	5210000541	Hammond /Paula T	03/01/13	10/31/16	0	640,000	0
		6927500	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	02/28/17	0	0	0
		6927501	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	06/30/16	0	689,998	(0)
		6927502	C	P320000	5210000541	Lloyd /Seth	03/01/13	12/31/15	0	189,365	0
		6927503	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/17	0	758	758
		6927504	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	06/30/16	0	249,993	0
		6927505	C	P320000	5210000541	Swager /Timothy M	03/01/13	06/30/16	0	249,934	0
		6927506	C	P320000	5210000541	Van Voorhis /Troy	03/01/13	06/30/16	0	199,983	0
		6927507	C	P320000	5210000541	Kong /Jing	03/01/13	09/15/16	0	420,000	(0)
		6927508	C	P320000	5210000541	Gleason /Karen K	03/01/13	02/28/17	0	0	0
		6927509	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/17	0	640,000	(0)
		6927510	C	P320000	5210000541	Gleason /Karen K	03/01/13	02/28/17	0	564,324	0
		6927511	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	08/31/16	0	190,000	0
		6927512	C	P320000	5210000541	Buonassisi /Anthony	03/01/13	12/31/15	0	230,000	(0)
		6927513	C	P320000	5210000541	Gleason /Karen K	03/01/13	12/31/15	0	230,000	(0)
		6927514	C	P320000	5210000541	Gleason /Karen K	03/01/13	02/28/17	0	150,631	0
		6927660	C	P320000	52000003626	Strano /Michael S.	03/01/13	02/29/16	0	69,960	0
		6927661	C	P320000	52000003626	Tisdale /William	03/01/13	08/31/14	0	85,161	(0)
		6927695	C	P320000	5210000541	Casalegno /Federico	04/15/13	04/15/16	0	1,061,974	0
		6927736	C	P320000	52000003626	Tisdale /William	04/10/13	08/31/14	0	44,839	0
		6927804	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/16	0	126	126
		6927805	C	P320000	5210000541	Hammond /Paula T	01/01/13	09/30/14	0	200,000	0
		6927819	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	12/31/15	0	220,000	0
		6927820	C	P320000	5210000541	Gradecak /Silvija	03/01/13	08/31/15	0	330,000	(0)
		6927821	C	P320000	5210000541	Gleason /Karen K	03/01/13	12/31/15	0	186,243	0
		6927822	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	06/30/16	0	419,996	0
		6927823	C	P320000	5210000541	Grossman /Jeffrey C.	03/01/13	12/31/15	0	219,998	(0)

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		6927824	C	P320000	5210000541	Jarillo-Herrero /Pablo	03/01/13	12/31/15	0	165,000	0
		6927825	C	P320000	5210000541	Palacios /Tomas	03/01/13	12/31/15	0	165,000	(0)
		6927850	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	12/31/15	0	39,963	0
		6927894	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	12/31/15	0	199,999	(0)
		6927895	C	P320000	5210000541	Belcher /Angela M	03/01/13	12/31/15	0	200,000	0
		6927915	C	P320000	5210000541	Gleason /Karen K	03/01/13	02/28/16	0	368,366	0
		6927948	C	P320000	5210000541	Armstrong /Robert C	01/01/13	05/31/17	0	0	0
		6927950	C	P320000	5210000541	Green /William H	06/01/13	07/31/16	0	585,756	0
		6927951	C	P320000	5210000541	Ono /Shuhei	06/01/13	05/31/16	0	372,779	(0)
		6927952	C	P320000	5210000541	Hatton /Trevor Alan	06/01/13	12/31/16	0	969,574	(0)
		6927969	C	P320000	5210000541	Juanes /Ruben	06/01/13	12/31/16	0	599,999	0
		6928191	C	P320000	5210000541	Swager /Timothy M	03/01/13	06/30/16	0	539,931	(0)
		6928192	C	P320000	5210000541	Van Voorhis /Troy	03/01/13	06/30/16	0	280,000	(0)
		6928363	C	P320000	CONTRACT NO. 52000036	Strano /Michael S.	09/01/13	05/31/14	0	60,000	(0)
		6928364	C	P320000	CONTRACT NO. 52100005	Hammond /Paula T	09/01/13	05/31/15	0	240,000	(0)
		6928365	C	P320000	CONTRACT NO. 52100005	Grossman /Jeffrey C.	09/01/13	08/31/15	0	119,756	0
		6928385	C	P320000	5210000541	Juanes /Ruben	08/01/13	01/31/16	0	349,997	0
		6928386	C	P320000	5210000541	Marzouk /Youssef M	08/01/13	02/29/16	0	450,000	(0)
		6928387	C	P320000	5210000541	Hager /Bradford H	08/01/13	11/30/15	0	200,000	(0)
		6928421	C	P320000	5210000541	Swager /Timothy M	03/01/13	07/31/15	0	342,285	(0)
		6928528	C	P320000	5210000541	Bawendi /Moungi G	03/01/13	04/30/20	19,851	420,000	71,376
		6928529	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/15	0	60,000	0
		6928586	C	P320000	5210000541	Gleason /Karen K	09/01/13	12/31/15	0	104,977	0
		6928683	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/15	0	39,918	(0)
		6928697	C	P320000	5210000541	Armstrong /Robert C	01/01/13	12/31/13	0	100,000	100,000
		6928704	C	P320000	5210000541	Swager /Timothy M	09/11/13	04/30/14	0	17,656	0
		6928832	C	P320000	5210000541	Varanasi /Kripa	12/01/13	05/31/17	(0)	873,552	0
		6928905	C	P320000	5210000541	Gschwend /Philip M	10/01/13	06/30/16	0	390,000	(0)
		6929381	C	P320000	5210000541	Green /William H	03/01/14	03/30/15	0	13,350	0
		6929510	C	P320000	5210000541	Brushett /Fikile R	03/01/14	08/31/16	(276)	770,521	(0)
		6929511	C	P320000	5210000541	Armstrong /Robert C	01/16/14	08/31/16	0	798,731	0
		6930598	C	P320000	5210000541	Tisdale /William	03/01/14	02/29/16	0	200,000	0
		6930633	C	P320000	5210000541	Strano /Michael S.	08/01/14	08/31/17	(24,828)	300,000	0
		6931106	C	P320000	5210000541	Strano /Michael S.	08/01/14	12/31/15	0	60,000	0
		6931176	C	P320000	5210000541	Grossman /Jeffrey C.	11/01/14	08/31/15	0	60,000	0
		6931423	C	P320000	5210000541	Bulovic /Vladimir	03/01/14	07/31/16	0	120,000	(0)
		6931605	C	P320000	5210000541	Gleason /Karen K	03/01/13	08/31/15	0	60,000	(0)
		6931675	C	P320000	5210000541	Kong /Jing	09/01/14	09/30/15	0	60,000	(0)
		6931989	C	P320000	5210000541	Green /William H	09/01/14	05/31/16	0	60,000	0
		6932298	C	P320000	PO 4310145481	Karplus /Valerie Jean	06/01/15	12/31/16	0	149,767	(0)
		6932366	C	P320000	5210000541	Grossman /Jeffrey C.	03/01/15	06/30/16	0	129,999	0
		6932457	C	P320000	CONTRACT NO. 52100005	Tisdale /William	09/01/14	02/29/16	0	59,999	0
		6932460	C	P320000	5210000541	Bulovic /Vladimir	03/01/13	02/28/17	0	60,000	(0)
		6932461	C	P320000	5210000541	Gradecak /Silvija	03/01/13	06/30/16	0	119,995	(0)
		6932500	C	P320000	CONTRACT NO. 52100005	Juanes /Ruben	04/01/15	12/31/16	0	78,711	0
		6932574	C	P320000	5210000541	Van Voorhis /Troy	03/01/15	06/30/16	0	70,000	(0)
		6933231	C	P320000	5210000541	Van Voorhis /Troy	03/01/15	02/29/16	0	60,000	0
		6933232	C	P320000	5210000541	Swager /Timothy M	03/01/15	08/31/17	0	60,000	0

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		6933628	C	P320000	5210000541	Swager /Timothy M	03/01/14	02/28/15	0	60,000	0
		6933806	C	P320000	5210000541 / 4310174033	Casalegno /Federico	04/16/16	06/15/17	0	289,978	0
		6933821	C	P320000	5210000541	Marzouk /Youssef M	03/01/16	02/28/17	0	100,000	0
		6933822	C	P320000	5210000541	Marzouk /Youssef M	03/01/16	02/28/17	0	59,990	0
		6933889	C	P320000	5210000541	Bawendi /Moungi G	01/01/16	12/31/17	0	230,000	(0)
		6933890	C	P320000	5210000541	Swager /Timothy M	01/01/16	08/31/17	0	80,000	(0)
		6933958	C	P320000	5210000541	Slocum /Alexander H	01/01/16	08/31/17	0	74,983	(0)
		6934097	C	P320000	4310177999	Swager /Timothy M	01/01/16	08/31/17	0	90,000	0
		6934098	C	P320000	4310177999	Bulovic /Vladimir	01/01/16	08/31/17	0	140,000	0
		6934099	C	P320000	4310177999	Van Voorhis /Troy	01/01/16	08/31/17	0	100,000	(0)
		6934100	C	P320000	4310177999	Grossman /Jeffrey C.	01/01/16	08/31/17	0	100,000	(0)
		6934101	C	P320000	4310177999	Kong /Jing	01/01/16	12/31/17	0	30,000	(0)
		6934102	C	P320000	4310177999	Gradecak /Silvija	01/01/16	08/31/17	0	60,000	(0)
		6934104	C	P320000	4310177998	Gleason /Karen K	01/01/16	10/31/17	0	200,000	0
		6934105	C	P320000	5210000541	Bulovic /Vladimir	01/01/16	08/31/17	0	59,847	0
		6934106	C	P320000	5210000541	Bulovic /Vladimir	01/01/16	08/31/17	0	140,000	(0)
		6934209	C	P320000	5210000541 / PO 4310186	Gschwend /Philip M	07/01/16	02/28/19	132,382	392,886	76
		6934212	C	P320000	5210000541 / PO 4310184	Juanes /Ruben	05/01/16	12/31/17	0	225,000	(0)
		6934295	C	P320000	5210000541	Tisdale /William	03/01/16	08/31/17	0	100,000	0
		6934332	C	P320000	5210000541	Swager /Timothy M	06/01/16	05/31/17	0	60,000	(0)
		6934333	C	P320000	5210000541	Gradecak /Silvija	04/01/16	03/31/17	0	60,000	(0)
		6934334	C	P320000	5210000541	Kong /Jing	07/01/16	12/31/17	0	59,837	(0)
		6934335	C	P320000	5210000541	Bulovic /Vladimir	07/01/16	06/30/17	0	59,927	(0)
		6934366	C	P320000	5210000541 / PO 4310187	Surendranath /Yogesh	05/01/16	09/30/18	11,280	933,000	(0)
		6934376	C	P320000	5210000541 / PO 4310184	Green /William H	05/01/16	07/31/17	0	100,000	0
		6934377	C	P320000	5210000541 / PO 4310184	Green /William H	05/01/16	05/31/17	0	60,000	0
		6934378	C	P320000	5210000541 / PO 4310184	Green /William H	05/01/16	05/31/17	0	60,000	0
		6934387	C	P320000	5210000541	Green /William H	06/01/16	05/31/17	0	99,949	(0)
		6934410	C	P320000	5210000541 / PO 4310187	Halton /Trevor Alan	06/01/16	05/31/19	56,742	751,510	514
		6934411	C	P320000	5210000541 / PO 4310188	Shao-Horn /Yang	07/01/16	06/30/19	244,790	750,000	(11,025)
		6934642	C	P320000	5210000541 / PO 4310187	Halton /Trevor Alan	06/01/16	05/31/17	0	60,000	0
		6934884	C	P320000	5210000541 / PO 4310191919	Shao-Horn /Yang	09/01/16	08/31/19	110,864	526,093	1,868
		6935034	C	P320000	5210000541 / PO 4310192434	Varanasi /Kripa	10/01/16	09/30/19	137,266	345,000	25,330
		6935517	C	P320000	5210000541 / PO 4310191919	Varanasi /Kripa	09/01/16	08/31/19	111,527	235,000	13,376
		6935815	C	P320000	5210000949	Armstrong /Robert C	01/01/17	05/31/21	0	307	307
		6936101	C	P320107	5210000949 PO 43102193	Bulovic /Vladimir	01/01/17	02/29/20	187,176	442,642	205,908
		6936102	C	P320107	5210000949 PO 43102191	Swager /Timothy M	01/01/17	02/29/20	149,690	420,000	23,073
		6936103	C	P320107	5210000949 PO 43102193	Slocum /Alexander H	01/01/17	02/29/20	86,950	285,000	61,415
		6936107	C	P320107	5210000949 PO 43102191	Bulovic /Vladimir	01/01/17	02/29/20	222,143	420,000	153,120

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		6936295	C	P320107	5210000949 PO 43102191	Gradecak /Silvija	01/01/17	02/28/19	50,348	258,530	(72,036)
		6936296	C	P320107	5210000949 PO 43102191	Kong /Jing	01/01/17	06/30/19	217,707	293,862	1,111
		6936366	C	P320000	5210000949	Armstrong /Robert C	01/01/17	12/31/20	2,054	810,178	808,125
		6936390	C	P320107	5210000949 PO 43102191	Bawendi /Moungi G	01/01/17	02/29/20	379,787	750,000	112,278
		6936391	C	P320107	5210000949 PO 43102191	Bawendi /Moungi G	01/01/17	02/29/20	0	60,000	(0)
		6936393	C	P320000	5210000949 PO 43102251	Green /William H	06/01/17	05/31/20	287,574	640,000	8,583
		6936408	C	P320105	5210000949 PO 43102209	Swager /Timothy M	06/01/17	05/31/20	245,021	500,000	27,599
		6936409	C	P320107	5210000949	Gradecak /Silvija	06/01/17	02/28/18	300	59,962	0
		6936490	C	P320000	5210000949 PO 43102283	Kulik /Heather Janine	06/01/17	05/31/20	184,348	400,000	61,411
		6936510	C	P320000	5210000541	Hatton /Trevor Alan	06/01/17	05/31/18	0	0	0
		6936588	C	P320000	5210000949	Kong /Jing	08/01/17	02/28/19	11,618	120,000	0
		6936658	C	P320000	5210000949	Hatton /Trevor Alan	06/01/17	05/31/18	(0)	60,000	(0)
		6936661	C	P320000	5210000949	Knittel /Christopher Roland	06/01/17	05/31/18	(7,546)	59,732	(0)
		6936662	C	P320107	5210000949	Bulovic /Vladimir	05/01/17	01/31/20	387,026	1,046,903	319,058
		6936663	C	P320000	4310233848 / 4310233859	Casalegno /Federico	04/15/17	04/14/20	492,014	800,000	(327,591)
		6936664	C	P320000	5210000949	Tisdale /William	09/01/17	05/31/18	0	60,000	(0)
		6936939	C	P320000	5210000949	Karnik /Rohit	08/01/17	12/31/19	112,094	390,000	152,813
		6936941	C	P320000	5210000949	Rupp /Jennifer Lilia Marguerit	09/01/17	10/31/18	28,032	120,000	0
		6936942	C	P320000	5210000949	Rupp /Jennifer Lilia Marguerit	09/01/17	10/31/18	(17,548)	100,000	0
		6936944	C	P320107	5210000949	Gleason /Karen K	09/01/17	02/28/20	157,230	500,000	113,425

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6937036	C	P320000	5210000949	Barrett /Steven R. H.	06/01/17	02/28/19	59,700	150,000	0
		6937037	C	P320000	5210000949	Juanes /Ruben	01/01/18	12/31/18	21,498	60,000	0
		6937827	C	P320000	RPP 4310245116	Varanasi /Kripa	09/01/17	09/30/20	142,225	354,000	128,004
		6938131	C	P320000	5210000949	Casalegno /Federico	04/15/17	04/14/18	0	0	0
		6938394	C	P320107	4310260562	Bulovic /Vladimir	01/01/18	01/31/20	105,885	300,000	81,361
		6938491	C	P320000	5210000949	Hartwig /Zachary Seth	02/01/18	01/31/19	23,074	60,000	(0)
		6938911	C	P320000	5210000949	Bromberg /Leslie	06/01/18	05/31/21	138,102	300,000	161,898
		6939003	C	P320000	4310280600	Whyte /Dennis G	04/01/18	09/30/20	78,757	177,879	99,122
		6939004	C	P320000	4310280198	Woller /Kevin Benjamin	04/01/18	05/31/20	79,911	176,098	96,187
		6939020	C	P320000	4310280204	Hartwig /Zachary Seth	04/01/18	05/31/21	138,013	217,842	79,829
		6939021	C	P320000	4310280595	Hartwig /Zachary Seth	04/01/18	05/31/20	156,452	397,291	240,839
		6939023	C	P320000	5210000541 / PO 43101871	Hatton /Trevor Alan	06/01/17	10/01/18	24,031	24,031	0
		6939024	C	P320000	5210000541 / PO 4310187635	Hatton /Trevor Alan	06/01/16	10/01/18	34,459	34,459	0
		6939032	C	P320000	5210000949	Knittel /Christopher Roland	06/01/18	05/31/19	60,230	60,000	(230)
		6939349	C	P320000	5210000949	Surendranath /Yogesh	06/01/18	02/13/19	200,000	200,000	(0)
		6939355	C	P320000	5210000949	Rupp /Jennifer Lilia Marguerit	09/01/18	08/31/20	63,225	120,000	56,775
		6939448	C	P320000	5210000949	O'Sullivan /Francis Martin	09/01/18	08/31/19	59,994	60,000	6
		6939506	C	P320000	5210000949	Ceyer /Sylvia Teresse	12/01/18	11/30/20	61,697	200,000	138,303
		6939519	C	P320000	4310280204	Hartwig /Zachary Seth	04/01/18	05/31/21	74,780	90,000	15,220
		6939527	C	P320000	4310280595	Hartwig /Zachary Seth	04/01/18	12/01/19	30,860	20,000	(10,860)
		6939702	C	P320000	5210000949	Varanasi /Kripa	09/01/18	08/31/20	80,743	362,045	281,302

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		6939754	C	P320000	5210000541 / PO 4310187635	Hatton /Trevor Alan	06/01/18	05/31/19	102,389	105,000	2,611
		6939932	C	P320110	5210000949	Stoner /Robert	09/01/18	08/31/19	0	0	0
		6940046	C	P320000	5210000949	Plata /Desiree Louise	11/01/18	01/31/20	515,132	623,586	108,455
		6940815	C	P320000	5210000949	Shao-Horn /Yang	05/01/19	09/30/19	9,688	104,000	94,312
		6940816	C	P320000	5210000949	Kong /Jing	05/01/19	09/30/19	18,439	110,000	91,561
		6940817	C	P320000	5210000949	Hatton /Trevor Alan	05/01/19	09/30/19	6,172	85,000	78,828
		6940818	C	P320000	5210000949	Bawendi /Moungi G	05/01/19	09/30/19	63,149	100,000	36,851
		6940819	C	P320000	5210000949	Wukitch /Stephen James	05/01/19	09/30/19	0	5,000	5,000
		6940849	C	P320000	5210000949	Whyte /Dennis G	01/01/17	08/31/20	56,251	120,000	63,749
		6940909	C	P320000	5210000949	Romano /Giuseppe	06/01/19	05/31/20	5,351	60,000	54,649
		6940984	C	P320000	5210000949	Swager /Timothy M	06/01/19	11/30/19	6,464	192,368	185,904
		6941021	C	P320000	5210000949	Gschwend /Philip M	05/01/19	04/30/22	0	280,000	280,000
		6941105	C	P320000	5210000949	Shao-Horn /Yang	07/01/19	06/30/20	0	60,000	60,000
		Total by Primary Sponsor									6,392,288
006725 National Academy of Sciences	006870 North Carolina State University	6940187	G	P065005	2018-2798-03	Lermusiaux /Pierre	01/01/19	12/31/19	0	90,766	90,766
		Total by Primary Sponsor							0	90,766	90,766
006732 Nancy Lurie Marks Family Foundation	006732 Nancy Lurie Marks Family Foundation	6934166	G	P400600	LTR. AGREEMENT DTD. 05/05/2016	Feng /Guoping	08/01/16	07/31/19	17,711	254,710	(1,354)
		6934214	G	P400600	LTR. AGREEMENT DTD. 05/05/2016	Graybiel /Ann M	08/01/16	07/31/19	37,861	361,857	2,027
	Total by Primary Sponsor									55,572	616,567
006762 National Health and Medical Research	101292 Deakin University	6938989	G	P069201	APP1127059	White /Forest M	01/01/19	12/31/19	16,617	78,771	62,154

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Council	<b>Total by Primary Sponsor</b>								<b>16,617</b>	<b>78,771</b>	<b>62,154</b>
	006794 National Multiple Sclerosis Society	6927607	G	P066000	RG 4855A1/1	Van Vliet /Krystyn J	04/01/13	08/31/16	(7,103)	344,508	(0)
	<b>Total by Primary Sponsor</b>								<b>(7,103)</b>	<b>344,508</b>	<b>(0)</b>
006849 Norwegian University of Science and Technology	006849 Norwegian University of Science and Technology	6929503	C	P320000	NTNU-MIT CRPP 2/26/14	Barton /Paul I	06/01/13	05/31/18	(11,252)	480,125	(0)
		6929504	C	P320000	NTNU-MIT CRPP 02/26/14	Sclavounos /Paul D	06/01/13	08/31/20	75,146	483,107	104,567
	<b>Total by Primary Sponsor</b>								<b>63,894</b>	<b>963,232</b>	<b>104,567</b>
	006907 Aurora Flight Sciences RDC	6939881	C	P061093	AGMT. DATED 11/30/2018	Hansman /Robert J	11/01/18	01/15/20	43,834	199,781	155,947
	<b>Total by Primary Sponsor</b>								<b>43,834</b>	<b>199,781</b>	<b>155,947</b>
006918 Samsung Electronics Co., Ltd.	006918 Samsung Electronics Co., Ltd.	6928049	C	P039010	MEDIA LAB SIG	Lieberman /Henry A	07/01/13	07/31/14	0	42,481	(0)
		6934467	C	P152000	AGMT.DTD. 8/1/2016	Nelson /Keith Adam	08/01/16	10/31/19	55,316	300,000	84,257
		6936692	C	P039010	GRO AGREEMENT DATED JULY 15, 2017	Roy /Deb K	07/15/17	07/14/18	5,384	150,000	0
		6938603	C	P039010	AGREEMENT DATED FEB 1, 2018	Park /Hae Won	02/01/18	04/30/20	76,866	80,000	3,134
		6940121	C	P060600	SEC-MIT BONING SRA 2017/12/13	Boning /Duane S	02/01/19	01/30/20	155	150,000	149,845
	<b>Total by Primary Sponsor</b>								<b>137,721</b>	<b>722,481</b>	<b>237,236</b>
	006938 Target, Corporation	6933322	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	11/01/15	06/30/18	0	1,757,711	250,000
	006938 Target, Corporation	6933369	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	11/01/15	10/31/17	0	1,304,400	0
		6935530	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	11/01/15	06/30/18	0	375,681	0
		6935705	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	01/01/17	06/30/18	(94)	268,930	0
		6938764	C	P039010	AGREEMENT DATED MAY 31, 2018	Raskar /Ramesh	06/01/18	05/31/20	20,618	0	(20,618)
		6939394	C	P065005	SRA DTD. 09/04/2018	Sarma /Sanjay E	09/01/18	08/31/19	227,010	300,000	72,990

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		6940144	C	P121012	AGMT. DTD 1/15/19	Levi /Retsef	09/01/18	08/31/20	18,189	208,974	190,785
	<b>Total by Primary Sponsor</b>								<b>265,722</b>	<b>4,215,697</b>	<b>493,158</b>
006958 ITER International Team	102789 JH Engineering Co. Ltd.	6936253	C	P243021	AGMT. DTD. 5/1/17	Park /Dongkeun	05/01/17	02/28/19	3,566	50,000	0
	<b>Total by Primary Sponsor</b>								<b>3,566</b>	<b>50,000</b>	<b>0</b>
007001 Portuguese Science and Technology Foundation	007001 Portuguese Science and Technology Foundation	6914303	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	07/15/06	06/30/19	(52,722)	405,216	402,760
		6914304	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	07/15/06	01/31/12	0	112,212	0
		6914305	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	07/15/06	08/31/08	0	17,058	(0)
		6914306	C	P060500	AGMT EFFECTIVE 7/15/06	Marks /David H	07/15/06	08/31/08	0	3,518	0
		6914308	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	07/15/06	08/31/08	0	1,134	0
		6914530	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	07/15/06	08/31/08	0	386,441	0
		6914531	C	P060500	AGMT EFFECTIVE 7/15/06	Marks /David H	07/15/06	08/31/08	0	351,520	0
		6914532	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	07/15/06	08/31/08	0	763,257	(0)
		6914533	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	07/15/06	08/31/08	0	356,702	0
		6914534	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	07/15/06	08/31/08	0	136,417	0
		6914535	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	07/15/06	08/31/08	0	495,733	0
		6915372	C	P060500	AGMT EFFECTIVE 7/15/06	Hansman /Robert J	01/01/07	01/16/08	0	51,682	0
		6915373	C	P060500	AGMT EFFECTIVE 7/15/06	Fernandez /John	06/01/07	08/31/08	0	85,602	0
		6915374	C	P060500	AGMT EFFECTIVE 7/15/06	Parsons /John E	07/15/06	08/31/08	0	92,446	0
		6915878	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	09/01/07	08/31/09	0	606,414	(0)
		6915879	C	P060500	AGMT EFFECTIVE 7/15/06	Marks /David H	09/01/07	12/31/09	0	327,284	(0)

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		6915880	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	09/01/07	08/31/09	0	407,473	(0)
		6915881	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/07	08/31/09	0	729,967	(0)
		6915883	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/07	08/31/09	0	10,512	(0)
		6915884	C	P060500	AGMT EFFECTIVE 7/15/06	Parsons /John E	09/01/07	03/31/09	0	206,247	(0)
		6915885	C	P060500	AGMT EFFECTIVE 7/15/06	Hansman /Robert J	09/01/07	03/31/09	0	54,527	0
		6915949	C	P060500	AGMT EFFECTIVE 7/15/06	Rhodes /Donna H	09/01/07	03/31/09	0	111,066	0
		6915950	C	P060500	AGMT EFFECTIVE 7/15/06	Sheffi /Yosef	09/01/07	03/31/09	0	104,514	0
		6915961	C	P060500	AGMT EFFECTIVE 7/15/06	Mitter /Sanjoy K	09/01/07	03/31/09	0	62,477	0
		6915967	C	P060500	AGMT EFFECTIVE 7/15/06	Fernandez /John	09/01/07	03/31/09	0	174,000	0
		6916576	C	P060500	AGMT EFFECTIVE 7/15/06	Veneziano /Daniele	09/01/07	03/31/09	0	99,974	(0)
		6916577	C	P060500	AGMT EFFECTIVE 7/15/06	Einstein /Herbert H	09/01/07	03/31/09	0	100,368	0
		6916578	C	P060500	AGMT EFFECTIVE 7/15/06	Ben-Akiva /Moshe E	09/01/07	03/31/09	0	225,927	(0)
		6916579	C	P060500	AGMT EFFECTIVE 7/15/06	Barnhart /Cynthia	09/01/07	08/31/09	0	161,026	(0)
		6916664	C	P060500	AGMT EFFECTIVE 7/15/06	Magnanti /Thomas L	09/01/07	03/31/09	0	45,641	0
		6916835	C	P060500	AGMT EFFECTIVE 7/15/06	Kirtley /James L	09/01/07	03/31/09	0	32,021	(0)
		6916836	C	P060500	AGMT EFFECTIVE 7/15/06	Triantafyllou /Michael S	09/01/07	08/31/09	0	39,090	(0)
		6916837	C	P060500	AGMT EFFECTIVE 7/15/06	Mei /Chiang Chung	09/01/07	03/31/09	0	65,273	(0)
		6916838	C	P060500	AGMT EFFECTIVE 7/15/06	Heywood /John B	09/01/07	03/31/09	0	99,181	0
		6916880	C	P060500	AGMT EFFECTIVE 7/15/06	Wang /Daniel I. C.	09/01/07	08/31/09	0	147,147	(0)
		6916881	C	P060500	AGMT EFFECTIVE 7/15/06	Wang /Daniel I. C.	07/15/06	08/31/08	0	68,600	(0)

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		6917007	C	P060500	AGMT EFFECTIVE 7/15/06	Ratti /Carlo	09/01/07	08/31/09	0	253,396	(0)
		6917026	C	P060500	AGMT EFFECTIVE 7/15/06	Larson /Richard Charles	09/01/07	03/31/09	0	39,611	(0)
		6917044	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/07	08/31/08	0	112,750	0
		6917310	C	P060500	AGMT EFFECTIVE 7/15/06	Mitchell /William J	09/01/07	08/31/09	0	69,918	(0)
		6917833	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	09/01/08	12/31/09	0	719,279	0
		6917834	C	P060500	AGMT EFFECTIVE 7/15/06	Marks /David H	09/01/08	08/31/10	0	763,163	(0)
		6917835	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	09/01/08	08/31/10	0	367,211	0
		6917836	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/08	08/31/10	0	624,107	0
		6917837	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/08	08/31/10	0	15,843	0
		6917839	C	P060500	AGMT EFFECTIVE 7/15/06	Sheffi /Yosef	09/01/08	10/31/09	0	102,974	0
		6917840	C	P060500	AGMT EFFECTIVE 7/15/06	Mitter /Sanjoy K	09/01/08	10/31/09	0	152,316	(0)
		6918696	C	P060500	AGMT EFFECTIVE 7/15/06	Heywood /John B	09/01/08	05/31/10	0	75,623	(0)
		6918697	C	P060500	AGMT EFFECTIVE 7/15/06	Magnanti /Thomas L	09/01/08	08/31/09	0	62,936	0
		6918698	C	P060500	AGMT EFFECTIVE 7/15/06	Rhodes /Donna H	09/01/08	10/31/09	0	116,544	(0)
		6918699	C	P060500	AGMT EFFECTIVE 7/15/06	Finkelstein /Stan Neil	09/01/08	08/31/10	0	95,880	0
		6919022	C	P060500	AGMT EFFECTIVE 7/15/06	Barnhart /Cynthia	09/01/08	08/31/10	0	114,587	(0)
		6919023	C	P060500	AGMT EFFECTIVE 7/15/06	Ben-Akiva /Moshe E	09/01/08	12/31/09	0	298,194	(0)
		6919024	C	P060500	AGMT EFFECTIVE 7/15/06	Einstein /Herbert H	09/01/08	12/31/09	0	93,942	0
		6919025	C	P060500	AGMT EFFECTIVE 7/15/06	Ferreira /Joseph	09/01/08	08/31/10	0	204,889	0
		6919026	C	P060500	AGMT EFFECTIVE 7/15/06	Mitchell /William J	09/01/08	12/31/09	0	51,136	0

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		6919027	C	P060500	AGMT EFFECTIVE 7/15/06	Ratti /Carlo	09/01/08	12/31/09	0	154,773	(0)
		6919028	C	P060500	AGMT EFFECTIVE 7/15/06	Sussman /Joseph M	09/01/08	08/31/10	0	166,807	(0)
		6919029	C	P060500	AGMT EFFECTIVE 7/15/06	Veneziano /Daniele	09/01/08	08/31/10	0	68,096	0
		6919030	C	P060500	AGMT EFFECTIVE 7/15/06	Wang /Daniel I. C.	09/01/08	12/31/09	0	103,052	0
		6919185	C	P060500	AGMT EFFECTIVE 7/15/06	Mei /Chiang Chung	09/01/08	08/31/09	0	50,292	(0)
		6919186	C	P060500	AGMT EFFECTIVE 7/15/06	Parsons /John E	09/01/08	08/31/09	0	220,184	0
		6919447	C	P060500	AGMT EFFECTIVE 7/15/06	Fernandez /John	09/01/08	12/31/09	0	78,774	(0)
		6919448	C	P060500	AGMT EFFECTIVE 7/15/06	Glicksman /Leon R	09/01/08	12/31/09	0	32,317	(0)
		6919449	C	P060500	AGMT EFFECTIVE 7/15/06	Kirtley /James L	09/01/08	08/31/09	0	15,255	(0)
		6919450	C	P060500	AGMT EFFECTIVE 7/15/06	Larson /Richard Charles	09/01/08	12/31/09	0	26,629	0
		6920172	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	09/01/09	08/31/10	0	741,848	(0)
		6920174	C	P060500	AGMT EFFECTIVE 7/15/06	Marks /David H	09/01/09	08/31/11	0	774,207	(0)
		6920176	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	09/01/09	08/31/10	0	140,296	(0)
		6920178	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/09	08/12/12	0	348,953	0
		6920180	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/09	08/12/12	0	3,485	0
		6920795	C	P060500	AGMT EFFECTIVE 7/15/06	Rhodes /Donna H	09/01/09	08/31/10	0	120,568	(0)
		6921037	C	P060500	AGMT EFFECTIVE 7/15/06	Barnhart /Cynthia	09/01/09	08/31/10	0	148,810	0
		6921038	C	P060500	AGMT EFFECTIVE 7/15/06	Ben-Akiva /Moshe E	09/01/09	08/31/10	0	178,756	(0)
		6921039	C	P060500	AGMT EFFECTIVE 7/15/06	Einstein /Herbert H	09/01/09	08/31/11	0	90,065	(0)
		6921040	C	P060500	AGMT EFFECTIVE 7/15/06	Ferreira /Joseph	09/01/09	08/31/11	0	104,512	0

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		6921041	C	P060500	AGMT EFFECTIVE 7/15/06	Medard /Muriel	09/01/09	08/31/10	0	102,378	(0)
		6921042	C	P060500	AGMT EFFECTIVE 7/15/06	Mitchell /William J	09/01/09	08/31/11	0	71,024	0
		6921043	C	P060500	AGMT EFFECTIVE 7/15/06	Ratti /Carlo	09/01/09	08/31/10	0	102,804	0
		6921044	C	P060500	AGMT EFFECTIVE 7/15/06	Sussman /Joseph M	09/01/09	08/31/11	0	150,043	0
		6921045	C	P060500	AGMT EFFECTIVE 7/15/06	Veneziano /Daniele	09/01/09	08/31/11	0	85,167	0
		6921972	C	P060500	AGMT EFFECTIVE 7/15/06	Cooney /Charles L	09/01/09	12/31/11	0	0	0
		6922371	C	P060500	AGMT EFFECTIVE 7/15/06	Langer /Robert S	06/01/10	08/12/12	0	129,494	0
		6922372	C	P060500	AGMT EFFECTIVE 7/15/06	Kirchain /Randolph E	06/01/10	01/31/12	0	124,961	0
		6922373	C	P060500	AGMT EFFECTIVE 7/15/06	Kirchain /Randolph E	06/01/10	01/31/12	0	127,888	0
		6922374	C	P060500	AGMT EFFECTIVE 7/15/06	Larson /Richard Charles	06/01/10	01/31/12	0	124,956	0
		6922375	C	P060500	AGMT EFFECTIVE 7/15/06	de Neufville /Richard L	06/01/10	05/31/12	0	125,060	(0)
		6922376	C	P060500	AGMT EFFECTIVE 7/15/06	Sussman /Joseph M	06/01/10	04/30/12	0	116,077	0
		6922379	C	P060500	AGMT EFFECTIVE 7/15/06	Fernandez /John	09/01/10	08/31/11	0	7,328	0
		6922380	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	09/01/10	08/31/11	0	0	0
		6922381	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/10	08/31/12	0	3,395	(0)
		6922382	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/10	08/31/12	0	0	0
		6922383	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/10	08/12/12	0	6,303	0
		6922633	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	09/01/10	08/31/11	0	509,478	0
		6922634	C	P060500	AGMT EFFECTIVE 7/15/06	Fernandez /John	09/01/10	08/31/11	0	743,477	(0)
		6922635	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/10	08/31/12	0	753,119	(0)

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		6922636	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	09/01/10	08/31/12	0	16,979	0
		6922774	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/10	05/31/12	0	106,359	0
		6922775	C	P060500	AGMT EFFECTIVE 7/15/06	Prather /Kristala L	09/01/10	04/30/12	0	125,912	0
		6922894	C	P060500	AGMT EFFECTIVE 7/15/06	Finkelstein /Stan Neil	09/01/10	08/31/12	0	67,553	(0)
		6922895	C	P060500	AGMT EFFECTIVE 7/15/06	Rhodes /Donna H	09/01/10	08/31/11	0	76,269	0
		6922896	C	P060500	AGMT EFFECTIVE 7/15/06	Langer /Robert S	09/01/10	08/31/12	0	136,531	0
		6922901	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	09/01/10	08/31/12	0	361,462	0
		6922902	C	P060500	AGMT EFFECTIVE 7/15/06	Barnhart /Cynthia	09/01/10	12/31/11	0	105,778	0
		6922903	C	P060500	AGMT EFFECTIVE 7/15/06	Ben-Akiva /Moshe E	09/01/10	12/31/11	0	99,684	0
		6922904	C	P060500	AGMT EFFECTIVE 7/15/06	Ferreira /Joseph	09/01/10	12/31/11	0	84,451	0
		6922905	C	P060500	AGMT EFFECTIVE 7/15/06	Gonzalez /Marta C.	09/01/10	12/31/11	0	90,901	(0)
		6922906	C	P060500	AGMT EFFECTIVE 7/15/06	Leveson /Nancy G	09/01/10	08/31/13	0	100,829	(0)
		6922907	C	P060500	AGMT EFFECTIVE 7/15/06	Medard /Muriel	09/01/10	08/31/13	0	100,000	(0)
		6922908	C	P060500	AGMT EFFECTIVE 7/15/06	Ratti /Carlo	09/01/10	08/31/13	0	46,285	(0)
		6922909	C	P060500	AGMT EFFECTIVE 7/15/06	Sussman /Joseph M	09/01/10	12/31/11	0	72,591	0
		6924325	C	P060500	AGMT EFFECTIVE 7/15/06	Silbey /Susan S	06/01/11	08/31/11	0	15,227	0
		6924673	C	P060500	AGMT EFFECTIVE 7/15/06	de Neufville /Richard L	09/01/11	08/31/13	0	125,113	(0)
		6924674	C	P060500	AGMT EFFECTIVE 7/15/06	Kirchain /Randolph E	09/01/11	08/31/13	0	126,181	0
		6924675	C	P060500	AGMT EFFECTIVE 7/15/06	Kirchain /Randolph E	09/01/11	08/31/13	0	130,752	0
		6924676	C	P060500	AGMT EFFECTIVE 7/15/06	Langer /Robert S	09/01/11	08/31/13	0	132,642	(0)

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		6924677	C	P060500	AGMT EFFECTIVE 7/15/06	Langer /Robert S	09/01/11	08/31/13	0	132,767	0
		6924678	C	P060500	AGMT EFFECTIVE 7/15/06	Larson /Richard Charles	09/01/11	08/31/13	0	83,294	(0)
		6924679	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	09/01/11	08/31/13	0	116,218	(0)
		6924680	C	P060500	AGMT EFFECTIVE 7/15/06	Prather /Kristala L	09/01/11	08/31/13	0	123,985	0
		6924681	C	P060500	AGMT EFFECTIVE 7/15/06	Sussman /Joseph M	09/01/11	08/31/13	0	138,306	(0)
		6924684	C	P060500	AGMT EFFECTIVE 7/15/06	Clark /Joel P	09/01/11	08/31/13	0	176,835	0
		6924685	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	09/01/11	08/31/13	0	265,480	0
		6924686	C	P060500	AGMT EFFECTIVE 7/15/06	Armstrong /Robert C	09/01/11	08/31/13	0	475,793	(0)
		6924687	C	P060500	AGMT EFFECTIVE 7/15/06	Hansman /Robert J	09/01/11	08/31/13	0	110,903	(0)
		6927056	C	P060500	AGMT EFFECTIVE 7/15/06	Wardle /Brian L	09/01/12	03/31/14	0	50,001	(0)
		6928102	C	P060500	AGMT EFFECTIVE 7/15/06	Sussman /Joseph M	01/01/13	12/31/14	0	69,972	(0)
		6928103	C	P060500	AGMT EFFECTIVE 7/15/06	Heywood /John B	01/01/13	06/30/15	0	145,019	0
		6928104	C	P060500	AGMT EFFECTIVE 7/15/06	Einstein /Herbert H	01/01/13	05/31/15	0	102,608	0
		6928105	C	P060500	AGMT EFFECTIVE 7/15/06	Finkelstein /Stan Neil	01/01/13	12/31/14	0	68,056	(0)
		6928106	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	01/01/13	05/31/15	0	71,874	0
		6928394	C	P060500	AGMT EFFECTIVE 7/15/06	Hammond /Paula T	01/01/13	06/30/15	0	90,984	0
		6928395	C	P060500	AGMT EFFECTIVE 7/15/06	Larson /Richard Charles	01/01/13	06/30/15	0	50,167	0
		6928464	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/13	06/30/19	88,256	618,035	(10,905)
		6928482	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/13	06/30/19	0	1,570,355	1,570,355
		6929002	C	P060500	AGMT EFFECTIVE 7/15/06	Olivetti /Elsa A	01/01/14	12/31/15	0	74,778	0
		6929003	C	P060500	AGMT EFFECTIVE 7/15/06	Gonzalez /Marta C.	01/01/14	03/31/16	0	69,992	0

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		6929004	C	P060500	AGMT EFFECTIVE 7/15/06	Trancik /Jessica	01/01/14	12/31/15	0	68,533	0
		6929005	C	P060500	AGMT EFFECTIVE 7/15/06	Osorio Pizano /Carolina	01/01/14	12/31/15	0	69,997	0
		6929007	C	P060500	AGMT EFFECTIVE 7/15/06	Reinhart /Christoph	09/01/14	06/30/18	0	1,184,884	0
		6929008	C	P060500	AGMT EFFECTIVE 7/15/06	Langer /Robert S	01/01/14	12/31/18	139,178	417,304	808
		6929009	C	P060500	AGMT EFFECTIVE 7/15/06	Wardle /Brian L	01/01/14	02/07/19	173,413	900,000	(276)
		6930110	C	P060500	AGMT EFFECTIVE 7/15/06	Swan /James W	01/01/14	12/31/15	0	75,388	0
		6930111	C	P060500	AGMT EFFECTIVE 7/15/06	Olsen /Bradley D.	01/01/14	01/31/16	0	25,448	0
		6930113	C	P060500	AGMT EFFECTIVE 7/15/06	Stirling /Leia A.	01/01/14	12/31/14	0	25,756	0
		6930114	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	01/01/14	12/31/14	0	26,804	0
		6930115	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	01/01/14	12/31/14	0	121,236	(0)
		6930116	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/14	12/31/14	0	26,748	0
		6931318	C	P060500	AGMT EFFECTIVE 7/15/06	Stirling /Leia A.	01/01/15	12/31/15	0	32,232	(0)
		6931319	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	01/01/15	12/31/15	0	61,958	(0)
		6931320	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/15	12/31/15	0	286,723	(0)
		6931321	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/15	12/31/15	0	86,856	0
		6931323	C	P060500	AGMT EFFECTIVE 7/15/06	Hammond /Paula T	01/01/15	06/30/15	0	15,377	(0)
		6932064	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/13	06/30/19	0	12,544	12,544
		6932368	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/13	06/30/19	0	116	116
		6933302	C	P060500	AGMT EFFECTIVE 7/15/06	Olivetti /Elsa A	07/15/06	12/31/16	0	80,146	0
		6933303	C	P060500	AGMT EFFECTIVE 7/15/06	Olsen /Bradley D.	07/15/06	01/31/18	0	79,919	(0)
		6933304	C	P060500	AGMT EFFECTIVE 7/15/06	Osorio Pizano /Carolina	07/15/06	12/31/17	0	79,973	0
		6933305	C	P060500	AGMT EFFECTIVE 7/15/06	Swan /James W	07/15/06	12/31/16	0	78,436	0

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		6933306	C	P060500	AGMT EFFECTIVE 7/15/06	Trancik /Jessica	07/15/06	12/31/16	0	79,899	0
		6933315	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	07/15/06	12/31/16	0	34,710	(0)
		6933318	C	P060500	AGMT EFFECTIVE 7/15/06	Prather /Kristala L	07/15/06	12/31/16	0	58,388	0
		6933319	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	07/15/06	12/31/16	0	87,112	(0)
		6933343	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/14	12/31/18	507	482,696	261
		6935384	C	P060500	AGMT EFFECTIVE 7/15/06	Leonard /John J	07/15/06	12/31/17	0	84,043	(0)
		6935385	C	P060500	AGMT EFFECTIVE 7/15/06	McKinley /Gareth H	07/15/06	06/30/18	18,979	85,074	(0)
		6935386	C	P060500	AGMT EFFECTIVE 7/15/06	Olivetti /Elsa A	07/15/06	08/31/18	712	84,975	0
		6935387	C	P060500	AGMT EFFECTIVE 7/15/06	Osorio Pizano /Carolina	07/15/06	08/31/18	3,211	84,985	0
		6935388	C	P060500	AGMT EFFECTIVE 7/15/06	Swan /James W	07/15/06	02/28/18	0	36,078	(0)
		6935389	C	P060500	AGMT EFFECTIVE 7/15/06	Heald /Colette L.	07/15/06	05/31/18	0	84,946	(0)
		6935390	C	P060500	AGMT EFFECTIVE 7/15/06	Miller /David W	07/15/06	12/31/17	0	79,342	0
		6935391	C	P060500	AGMT EFFECTIVE 7/15/06	Trancik /Jessica	07/15/06	08/31/18	0	84,998	(0)
		6935394	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	07/15/06	01/15/18	0	97,070	(0)
		6935395	C	P060500	AGMT EFFECTIVE 7/15/06	Prather /Kristala L	07/15/06	12/31/17	0	61,740	(0)
		6935396	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	07/15/06	12/31/17	0	188,517	(0)
		6935862	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	07/15/06	08/31/18	0	84,978	(0)
		6937801	C	P060500	AGMT EFFECTIVE 7/15/06	Hart /Anastasios John	01/16/18	01/31/19	79,716	103,585	(16,085)
		6937802	C	P060500	AGMT EFFECTIVE 7/15/06	Mueller /Stefanie	01/16/18	01/15/19	47,124	125,000	813
		6937803	C	P060500	AGMT EFFECTIVE 7/15/06	Hart /Douglas	01/16/18	01/31/19	12,416	85,000	72,584
		6937804	C	P060500	AGMT EFFECTIVE 7/15/06	Heald /Colette L.	01/16/18	01/31/19	60,237	85,000	10,277

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		6937805	C	P060500	AGMT EFFECTIVE 7/15/06	Karaman /Sertac	01/16/18	01/31/19	30,853	85,000	12,157
		6937806	C	P060500	AGMT EFFECTIVE 7/15/06	Leonard /John J	01/16/18	01/31/19	85,021	85,000	(21)
		6937807	C	P060500	AGMT EFFECTIVE 7/15/06	Lu /Timothy K	01/16/18	01/31/19	56,939	85,000	28,061
		6937808	C	P060500	AGMT EFFECTIVE 7/15/06	McKinley /Gareth H	01/16/18	01/31/19	52,100	85,000	27,005
		6937809	C	P060500	AGMT EFFECTIVE 7/15/06	Miller /David W	01/16/18	01/31/19	42,484	73,847	46
		6937810	C	P060500	AGMT EFFECTIVE 7/15/06	Newman /Dava J	01/16/18	01/31/19	215,151	250,000	5,576
		6937811	C	P060500	AGMT EFFECTIVE 7/15/06	Olivetti /Elsa A	01/16/18	01/31/19	85,000	85,000	(0)
		6937812	C	P060500	AGMT EFFECTIVE 7/15/06	Olsen /Bradley D.	01/16/18	01/31/19	55,857	85,000	27,162
		6937813	C	P060500	AGMT EFFECTIVE 7/15/06	Osorio Pizano /Carolina	01/16/18	01/31/19	76,507	85,000	(15)
		6937814	C	P060500	AGMT EFFECTIVE 7/15/06	Prather /Kristala L	01/16/18	01/15/19	77,837	100,430	(105)
		6937815	C	P060500	AGMT EFFECTIVE 7/15/06	Ross /Caroline A	01/16/18	01/15/19	44,367	85,000	(81)
		6937816	C	P060500	AGMT EFFECTIVE 7/15/06	Swan /James W	01/16/18	01/31/19	15,050	85,000	69,950
		6937817	C	P060500	AGMT EFFECTIVE 7/15/06	Trancik /Jessika	01/16/18	01/31/19	76,732	85,000	0
		6937821	C	P060500	AGMT EFFECTIVE 7/15/06	Zegras /Pericles C	01/01/18	03/31/19	115,624	167,500	51,876
		6937822	C	P060500	AGMT EFFECTIVE 7/15/06	Prather /Kristala L	01/01/18	03/31/19	140,142	152,070	289
		6937823	C	P060500	AGMT EFFECTIVE 7/15/06	Tidor /Bruce	01/01/18	03/31/19	77,238	265,000	113,070
		6938801	C	P060500	AGMT EFFECTIVE 6/1/18	Newman /Dava J	06/01/18	12/31/23	0	19,000,000	19,000,000
		6939144	C	P060500	AGMT UA-2018-272	Miller /David W	01/16/18	08/31/19	11,192	11,153	(39)
		6939482	C	P060500	AGMT EFFECTIVE 6/1/18	Newman /Dava J	06/01/18	10/31/19	85,927	223,000	137,073
		6939483	C	P060500	AGMT EFFECTIVE 6/1/18	Newman /Dava J	06/01/18	12/31/18	0	0	0



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		6939484	C	P060500	AGMT EFFECTIVE 6/1/18	Newman /Dava J	06/01/18	12/31/18	0	637,500	637,500
		6939793	C	P060500	AGMT EFFECTIVE 6/1/18	Hansman /Robert J	11/01/18	10/31/19	26,533	77,000	50,467
		6939919	C	P060500	AGMT EFFECTIVE 7/15/06	Hart /Anastasios John	11/13/18	01/31/19	5,824	21,415	15,591
		6939967	C	P060500	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/19	12/31/19	0	2,266,000	2,266,000
		6939990	C	P060500	AGMT EFFECTIVE 6/1/18	Newman /Dava J	01/01/19	12/31/19	146,731	400,000	253,269
		6940540	C	P060500	AGMT EFFECTIVE 6/1/18	Paradiso /Joseph A	03/15/19	03/16/20	0	90,000	90,000
		6940541	C	P060500	AGMT EFFECTIVE 6/1/18	Trancik /Jessika	03/15/19	03/16/20	7,307	90,000	82,693
		6940542	C	P060500	AGMT EFFECTIVE 6/1/18	Sclavounos /Paul D	03/15/19	03/16/20	5,089	90,000	84,911
		6940543	C	P060500	AGMT EFFECTIVE 6/1/18	Reynolds /Elisabeth Beck	03/15/19	03/16/20	0	90,000	90,000
		6940544	C	P060500	AGMT EFFECTIVE 6/1/18	Olivetti /Elsa A	03/15/19	03/16/20	15	90,000	89,985
		6940545	C	P060500	AGMT EFFECTIVE 6/1/18	Mueller /Stefanie	03/15/19	03/16/20	33,325	90,000	56,675
		6940546	C	P060500	AGMT EFFECTIVE 6/1/18	Botterud /Audun	03/15/19	03/16/20	0	90,000	90,000
		6940547	C	P060500	AGMT EFFECTIVE 6/1/18	de Weck /Olivier L	03/15/19	03/16/20	19,016	90,000	70,984
		6940548	C	P060500	AGMT EFFECTIVE 6/1/18	Entekhabi /Dara	03/15/19	03/16/20	25,078	90,000	64,922
		6940549	C	P060500	AGMT EFFECTIVE 6/1/18	Masterson /Rebecca A	03/15/19	03/16/20	10,897	90,000	79,103
		6940550	C	P060500	AGMT EFFECTIVE 6/1/18	Hart /Douglas	03/15/19	03/16/20	0	90,000	90,000
		6940551	C	P060500	AGMT EFFECTIVE 6/1/18	Boyle /Edward A	03/15/19	03/16/20	4,569	90,000	85,431
		6940585	C	P060500	AGMT EFFECTIVE 6/1/18	Reinhart /Christoph	04/01/19	04/02/20	0	90,000	90,000
		6940586	C	P060500	AGMT EFFECTIVE 6/1/18	Hart /Anastasios John	04/01/19	04/02/20	0	90,000	90,000
		6941310	C	P060500	AGMT EFFECTIVE 7/15/06	Roos /Daniel	07/15/06	08/31/08	0	23,491	(0)
		Total by Primary Sponsor									2,199,430

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007007 Shire Human Genetic Therapies, Inc.	007007 Shire Human Genetic Therapies, Inc.	6915170	C	P402010	AGMT. DTD. 3/15/07	Langer /Robert S	03/15/07	01/01/20	0	969,863	0
		6926414	C	P402010	AGMT. DTD. 3/15/07	Anderson /Daniel Griffith	08/10/12	06/01/13	0	235,709	(0)
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>1,205,572</b>	<b>(0)</b>
007009 Delta Environmental & Educational Foundation	007009 Delta Environmental & Educational Foundation	6933067	C	P067952	AGMNT DTD 12/1/15	Devadas /Srinivas	12/01/15	06/30/19	211,247	810,000	11,000
		6935775	C	P154000	AGMNT DTD 12/1/15	Etingof /Pavel I	12/01/15	06/30/19	40,007	90,000	2,729
	<b>Total by Primary Sponsor</b>								<b>251,253</b>	<b>900,000</b>	<b>13,730</b>
007016 BP Technology Ventures Inc.	007016 BP Technology Ventures Inc.	6922464	C	P320000	RES. AGMT. EFF. 9/1/06	Roman /Yuriy	09/01/10	12/31/12	0	199,522	0
		6922659	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Armstrong /Robert C	09/01/10	08/31/17	0	100,148	300,148
		6922660	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Dinca /Mircea	09/01/10	08/31/12	0	200,000	0
		6922661	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Strano /Michael S.	09/01/10	08/31/12	0	199,884	(0)
		6922757	C	P320000	RES. AGMT. EFF. 9/1/06	Roman /Yuriy	01/01/11	01/31/13	0	338,261	(0)
		6923285	C	P320000	RES. AGMT. EFF. 9/1/06 / PAYKEY ZCOCKAJ123	Barton /Paul I	03/01/11	08/31/13	0	169,991	0
		6924822	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Braatz /Richard D	09/01/11	08/31/13	0	200,000	0
		6924847	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Grossman /Jeffrey C.	09/01/11	08/31/13	0	200,000	(0)
		6924979	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Stocker /Roman	09/01/11	08/31/14	0	199,997	0
		6926670	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Roman /Yuriy	09/01/12	08/31/16	0	7,973	0
		6926844	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Van Vliet /Krystyn J	09/01/12	08/31/14	0	199,984	0
		6928067	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Roman /Yuriy	03/01/12	08/31/16	0	17,395	0
		6928218	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Strano /Michael S.	01/01/13	12/31/14	0	100,000	0
		6929059	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Varanasi /Kripa	01/01/14	12/31/15	0	199,987	(0)
		6929125	C	P320000	BP MITEI FOUNDING MEM	Ghoniem /Ahmed F	10/01/13	09/30/15	0	200,000	0
		6930078	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Braatz /Richard D	09/01/14	08/31/17	0	300,000	0

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		6930939	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Ghoniem /Ahmed F	09/01/14	08/31/15	0	60,000	(0)
		6933397	C	P320000	BP MITEI FOUNDING MEMBER AGT. 1/1/08	Braatz /Richard D	12/31/15	12/31/17	0	100,000	0
		6940571	C	P320000	AGMT. DTD. 04/15/2019	Ghoniem /Ahmed F	04/15/19	04/15/21	(220,000)	163,413	383,413
	<b>Total by Primary Sponsor</b>								<b>(220,000)</b>	<b>3,156,556</b>	<b>683,561</b>
007031 David and Lucile Packard Foundation	007031 David and Lucile Packard Foundation	6939688	G	P068000	GRANT 2018-67918	Buongiorno /Jacopo	09/01/18	10/01/19	55,342	120,000	64,658
	<b>Total by Primary Sponsor</b>								<b>55,342</b>	<b>120,000</b>	<b>64,658</b>
007055 The Hartford Fire Insurance Company	007055 The Hartford Fire Insurance Company	6917779	C	P069501	AGMT. DTD. 2/9/07	Coughlin /Joseph F	02/09/07	09/30/22	560,441	5,292,394	2,064,931
	<b>Total by Primary Sponsor</b>								<b>560,441</b>	<b>5,292,394</b>	<b>2,064,931</b>
007081 Alnylam Pharmaceuticals	007081 Alnylam Pharmaceuticals	6933595	G	P061901	4590001148 LTR. AGREEMENT SIGNED 6/2/16	Bhatia /Sangeeta N	06/01/16	05/31/19	12,557	100,000	140
	<b>Total by Primary Sponsor</b>								<b>12,557</b>	<b>100,000</b>	<b>140</b>
007097 Toyota Motor Engineering & Manufacturing North America, Inc	007097 Toyota Motor Engineering & Manufacturing North America, Inc.	6936004	C	P069501	AGREEMENT EFFECTIVE APRIL 1, 2017	Coughlin /Joseph F	04/01/17	03/30/20	597,143	1,563,758	491,814
		6939133	C	P069501	AGREEMENT DTD 5/1/18	Coughlin /Joseph F	05/01/18	01/31/19	302,108	300,000	(2,108)
	<b>Total by Primary Sponsor</b>								<b>899,251</b>	<b>1,863,758</b>	<b>489,705</b>
007110 Portland Cement Association	007110 Portland Cement Association	6920804	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	08/31/19	216,035	2,500,000	76,243
		6920808	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	02/28/12	0	750,000	0
		6921166	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	08/31/14	0	1,875,000	(0)
		6924983	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/11	08/31/14	0	1,125,000	(0)
		6930773	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/14	08/31/19	279,517	1,500,000	64,514
		6930776	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/14	08/31/19	424,458	2,220,810	13,070
	<b>Total by Primary Sponsor</b>								<b>920,010</b>	<b>9,970,810</b>	<b>153,827</b>

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007115 Naval Postgraduate School	007115 Naval Postgraduate School	6935571	G	P069400	N00244-17-1-0011	Rhodes /Donna H	01/05/17	07/31/18	(1,594)	118,180	(0)
		6939389	G	P069400	HQ00341810013	Rhodes /Donna H	09/10/18	07/31/19	109,222	119,985	10,763
	<b>Total by Primary Sponsor</b>								<b>107,629</b>	<b>238,165</b>	<b>10,763</b>
007135 IEEE	007135 IEEE	6937795	G	P068000	PO #122394	Lanza /Richard C	07/01/18	10/31/19	52,833	68,425	15,592
	<b>Total by Primary Sponsor</b>								<b>52,833</b>	<b>68,425</b>	<b>15,592</b>
007139 Aarhus University	007139 Aarhus University	6933728	C	P065004	AGMT DATED DEC 31, 2015	Anthony /Brian	04/01/16	12/31/17	3,119	33,000	198
	<b>Total by Primary Sponsor</b>								<b>3,119</b>	<b>33,000</b>	<b>198</b>
007158 Netherlands Organization for Scientific Research	102242 Wageningen University	6937662	C	P097500	FILE NO. 15814	Oye /Kenneth A	12/01/17	12/31/20	0	118,877	118,877
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>118,877</b>	<b>118,877</b>
007199 KAUST Global Research Partnership	007199 KAUST Global Research Partnership	6933239	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/19	0	15,209	15,209
		6933240	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/16	0	62,381	0
		6933241	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	09/10/15	06/30/16	0	38,752	0
		6934285	G	P153000	SUBAWARD AGREEMENT OSR-2015-CRG4-2643	Floyd /Michael	03/01/16	02/28/18	(0)	26,393	0
		6934523	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/17	0	136,118	0
		6935233	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	07/01/16	12/31/16	0	44,346	0
		6935234	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	01/01/17	06/30/17	0	55,231	0
		6936425	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/18	0	134,620	(0)
		6936494	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	07/01/17	06/30/18	0	111,658	0
		6938235	C	P068700	OSR-2015-SENSORS-2700	Win /Moe Z	07/01/18	06/30/19	103,989	76,594	(27,395)
		6938662	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	09/10/15	06/30/19	114,164	114,204	41
		6941078	C	P062000	OSR-2015-SENSORS-2700	Strano /Michael S.	07/01/19	06/30/20	0	80,000	80,000
	<b>Total by Primary Sponsor</b>								<b>218,152</b>	<b>895,507</b>	<b>67,856</b>

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007207 Douglas B. Marshall Jr. Family Foundation	007207 Douglas B. Marshall Jr. Family Foundation	6926509	G	P091020	LTR. DTD. 05/15/13	Banerjee /Abhijit	07/01/13	06/30/19	21,647	200,221	(310,927)
		6929286	G	P091020	LTR. DTD. 05/15/13	Banerjee /Abhijit	07/01/13	06/30/19	363,745	1,299,447	237,686
		6940135	G	P091020	LTR DTD. 11/15/18	Banerjee /Abhijit	12/01/18	02/01/24	161,852	0	(161,852)
		6940847	G	P091020	LTR DTD. 11/15/18	Banerjee /Abhijit	12/01/18	02/01/24	0	693,653	693,653
		6940848	G	P091020	LTR DTD. 11/15/18	Banerjee /Abhijit	12/01/18	02/01/24	0	506,347	506,347
	Total by Primary Sponsor								547,244	2,699,668	964,907
007245 ABB, Inc.	007245 ABB, Inc.	6940717	C	P065005		Rodriguez Garcia /Alberto	02/01/19	12/31/19	24,252	75,000	50,748
	Total by Primary Sponsor								24,252	75,000	50,748
007248 The Glenn Foundation for Medical Research	007248 The Glenn Foundation for Medical Research	6935709	C	P151015	LETTER DATED 1/22/2017	Guarente /Leonard Pershing	01/22/17	01/21/20	2,819	64,663	59,328
		6935776	C	P151015	LETTER DATED 1/22/2017	Guarente /Leonard Pershing	01/22/17	01/21/20	402,175	1,100,000	423,189
		6935777	C	P151015	LETTER DATED 1/22/2017	Amon /Angelika B	01/22/17	01/21/20	321,690	935,337	163,048
		6935778	C	P151015	LETTER DATED 1/22/2017	Tsai /Li-Huei	01/22/17	01/21/20	447,156	900,000	118,658
	Total by Primary Sponsor								1,173,840	3,000,000	764,222
007275 Rockefeller Foundation	007275 Rockefeller Foundation	6941025	C	P320000	9644	Perez-Arriaga /Jose Ignacio	01/28/19	06/30/19	27,380	116,239	88,859
		6941026	C	P320000	9644	Perez-Arriaga /Jose Ignacio	01/28/19	06/30/19	0	17,661	17,661
	Total by Primary Sponsor								27,380	133,900	106,520
007288 King Fahd University of Petroleum and Minerals	007288 King Fahd University of Petroleum and Minerals	6937929	G	P063007	CPG-17-0250	Juanes /Ruben	02/01/18	05/31/19	557,431	809,100	0
		6940298	G	P063007	CPG-17-0250	Juanes /Ruben	02/01/19	01/31/20	246,318	807,472	561,154
	Total by Primary Sponsor								803,749	1,616,572	561,154
007300 Russell Sage Foundation	007300 Russell Sage Foundation	6935951	G	P035000	85-17-05	Levy /Frank	03/01/17	02/28/20	978	7,350	5,308
		6937499	G	P095500	AGMT. DTD. 12/06/17	White /Ariel R.	09/01/18	06/30/19	59,138	59,208	70
		6940670	G	P091000	98-18-05	Salz /Tobias	01/01/19	12/31/19	0	34,400	34,400
	Total by Primary Sponsor								60,116	100,958	39,778

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007343 The Simons Foundation	007343 The Simons Foundation	6925173	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/19	269,969	1,869,674	1,247,539
		6925362	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/19	97,787	2,318,133	702,154
		6925363	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	08/31/14	0	32,788	0
		6925364	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	08/31/14	0	800,151	(0)
		6925366	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	02/28/18	0	0	0
		6925367	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	07/31/15	0	159,371	(0)
		6925368	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/19	0	400,000	111,616
		6925369	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/19	52	205,000	194,053
		6925880	G	P154501	AGREEMENT DATED 11-21-11	Berger Leighton /Bonnie	07/01/12	12/31/13	0	120,000	(0)
		6925881	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	07/01/12	04/30/14	0	120,539	0
		6925935	G	P154501	AGREEMENT DATED 11-21-11	Silbey /Susan S	08/01/12	04/30/14	0	61,392	(0)
		6925936	G	P154501	AGREEMENT DATED 11-21-11	Graybiel /Ann M	07/01/12	06/30/13	0	116,859	0
		6926004	G	P154501	AGREEMENT DATED 11-21-11	Schulz /Laura E	06/01/12	05/31/14	0	63,261	0
		6926157	G	P154501	AGREEMENT DATED 11-21-11	Seung /H. Sebastian	07/01/12	06/30/14	0	48,568	0
		6926747	G	P154501	AGREEMENT DATED 11-21-11	Szolovits /Peter	11/01/12	06/30/14	0	106,419	0
		6926748	G	P154501	AGREEMENT DATED 11-21-11	Picard /Rosalind W.	11/01/12	10/31/14	0	59,826	0
		6926749	G	P154501	AGREEMENT DATED 11-21-11	Constantine-Paton /Martha	11/01/12	10/31/14	0	120,000	0
		6926750	G	P154501	AGREEMENT DATED 11-21-11	Zhang /Feng	11/01/12	11/30/14	0	119,760	(0)
		6926754	G	P154501	AGREEMENT DATED 11-21-11	Littleton /J. Troy	11/01/12	10/31/13	0	120,000	(0)
		6926790	G	P154501	AGREEMENT DATED 11-21-11	Sinha /Pawan	11/01/12	10/31/14	0	54,185	0

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		6926840	G	P154501	AGREEMENT DATED 11-21-11	Gabrieli /John D. E.	11/01/12	10/31/14	0	6,847	0
		6927481	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	02/01/13	07/31/16	0	575,000	0
		6927482	G	P154501	AGREEMENT DATED 11-21-11	Feng /Guoping	02/01/13	01/31/16	0	598,835	0
		6927483	G	P154501	AGREEMENT DATED 11-21-11	Littleton /J. Troy	02/01/13	07/31/16	0	504,000	0
		6927730	G	P154501	AGREEMENT DATED 11-21-11	Kanwisher /Nancy	04/01/13	09/30/16	0	425,289	0
		6927744	G	P154501	AGREEMENT DATED 11-21-11	Poggio /Tomaso A	05/15/13	10/31/14	0	103,477	0
		6927745	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	06/01/13	11/30/15	0	200,955	0
		6927746	G	P154501	AGREEMENT DATED 11-21-11	Jasanoff /Alan Pradip	02/01/13	03/31/14	0	59,582	0
		6927749	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/13	12/31/19	0	1,323,851	66,748
		6927750	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/13	12/31/16	0	533,367	0
		6927946	G	P154501	AGREEMENT DATED 11-21-11	Bear /Mark	05/01/13	04/30/14	0	120,000	0
		6928176	G	P153000	SCOL 290361	Summons /Roger E	05/01/13	04/30/18	0	0	0
		6928216	G	P153000	SCOL 290361	Summons /Roger E	05/01/13	04/30/14	0	185,854	0
		6928636	G	P154501	AGREEMENT DATED 11-21-11	Edelman /Alan	01/01/14	02/28/15	0	79,075	0
		6928896	G	P154501	AGREEMENT DATED 11-21-11	Tannenbaum /Steven R	11/01/13	11/30/14	0	108,000	(0)
		6928897	G	P154501	AGREEMENT DATED 11-21-11	Sinha /Pawan	11/01/13	04/30/15	0	117,600	0
		6928900	G	P154501	AGREEMENT DATED 11-21-11	Choi /Bohyun Gloria	12/01/13	11/30/15	0	121,256	(0)
		6928994	G	P154501	AGREEMENT DATED 11-21-11	Wickersham /Ian R.	12/01/13	05/30/16	0	120,000	0
		6928995	G	P154501	AGREEMENT DATED 11-21-11	Boyden /Edward	11/01/13	10/31/14	0	12,000	0
		6929022	G	P154501	AGREEMENT DATED 11-21-11	Tsai /Li-Huei	11/01/13	10/31/14	0	120,000	0

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		6929253	G	P154501	AGREEMENT DATED 11-21-11	Regev /Aviv	12/01/13	11/30/14	0	59,976	(0)
		6929370	G	P154501	AGREEMENT DATED 11-21-11	Whitfield-Gabrieli /Susan	12/01/13	11/30/15	0	13,614	0
		6929681	G	P154501	AGREEMENT DATED 11-21-11	Fee /Michale Sean	05/01/14	10/31/15	0	119,497	0
		6929682	G	P154501	AGREEMENT DATED 11-21-11	Van Vliet /Krystyn J	06/01/14	07/31/15	0	65,741	(0)
		6929806	G	P153000	SCOL 290361	Summons /Roger E	05/01/14	04/30/15	0	697,522	0
		6930230	G	P153000	SCOL 327126	Bosak /Tanja	07/01/14	06/30/19	0	0	0
		6930231	G	P153000	SCOL 327126	Bosak /Tanja	07/01/14	06/30/15	0	174,401	(0)
		6930377	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	07/01/14	12/31/16	0	195,151	0
		6930424	G	P400600	307913	Feng /Guoping	09/01/14	08/31/18	0	230,230	0
		6930621	G	P154501	AGREEMENT DATED 11-21-11	Bear /Mark	09/01/14	06/30/16	0	263,821	0
		6930756	G	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/14	07/31/18	0	281,143	172
		6930770	G	P154500	SFARI AWARD ID 308949	Sinha /Pawan	11/01/14	01/31/16	0	140,218	(0)
		6931133	G	P154501	AGREEMENT DATED 11-21-11	Blainey /Paul C	11/01/14	06/30/16	0	119,600	0
		6931160	G	P154501	AGREEMENT DATED 11-21-11	Sur /Mriganka	01/01/12	12/31/16	0	17,551	(0)
		6931161	G	P154501	AGREEMENT DATED 11-21-11	Jasanoff /Alan Pradip	11/01/14	10/31/16	0	239,272	0
		6931439	G	P153000	SCOL 339603	Fournier /Gregory P.	04/01/15	03/31/20	0	0	0
		6931442	G	P153000	SCOL 339603	Fournier /Gregory P.	04/01/15	03/31/16	0	105,788	(0)
		6931466	G	P154501	AGREEMENT DATED 11-21-11	Fedorenko /Evelina G	01/01/12	06/30/17	0	457,031	0
		6931527	G	P154501	AGREEMENT DATED 11-21-11	Gibson /Edward A	01/01/15	12/31/17	0	234,818	0
		6931582	G	P154501	AGREEMENT DATED 11-21-11	Schulz /Laura E	01/01/15	06/30/17	0	264,944	(0)
		6931661	G	P153000	SCOL 344707	Bosak /Tanja	04/01/15	03/31/16	0	19,320	0

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		6931802	G	P154501	AGREEMENT DATED 11-21-11	Robertson /Caroline	04/01/15	09/30/16	0	120,000	(0)
		6931810	G	P154501	AGREEMENT DATED 11-21-11	Sinha /Pawan	05/01/15	10/31/16	0	70,026	0
		6931938	G	P153000	SCOL 290361	Summons /Roger E	05/01/13	04/30/16	0	226,829	0
		6932168	G	P154501	AWD DATE 06/01/2015	Feng /Guoping	06/01/15	08/31/17	0	237,706	0
		6932197	G	P153000	SCOL 327126	Bosak /Tanja	07/01/15	06/30/16	0	226,430	(0)
		6932522	G	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/15	07/31/16	0	271,983	(0)
		6933200	G	P154501	AGREEMENT DATED 11-21-11	Choi /Bohyun Gloria	12/01/15	11/30/16	0	89,628	0
		6933201	G	P154501	AGREEMENT DATED 11-21-11	Saxe /Rebecca R	12/01/15	11/30/16	0	103,967	(0)
		6933203	G	P154501	AGREEMENT DATED 11-21-11	Saxe /Rebecca R	11/01/15	01/31/17	0	144,855	(0)
		6933398	G	P154501	AGREEMENT DATED 11-21-11	Lin /Yingxi	11/01/15	10/31/16	0	240,000	0
		6933411	G	P154501	AGREEMENT DATED 11-21-11	Picard /Rosalind W.	01/01/16	06/30/17	0	38,608	0
		6933412	G	P154501	AGREEMENT DATED 11-21-11	Sapsis /Themistoklis Panagioti	10/01/15	05/31/17	0	40,410	0
		6933512	G	P400600	307913	Feng /Guoping	09/01/15	08/31/16	0	269,770	(0)
		6933741	G	P063007	410104	Cordero Sanchez /Otto X.	04/01/16	03/31/20	129,557	538,769	42,053
		6933929	G	P154501	AGREEMENT DATED 11-21-11	White /Forest M	05/01/16	04/30/17	0	107,125	0
		6933930	G	P154501	AGREEMENT DATED 11-21-11	Tsai /Li-Huei	05/01/16	04/30/17	0	72,000	(0)
		6933931	G	P154501	AGREEMENT DATED 11-21-11	Strano /Michael S.	06/01/16	05/31/17	0	90,000	0
		6933932	G	P154501	AGREEMENT DATED 11-21-11	Brown /Emery Neal	06/01/16	02/28/18	0	90,000	(0)
		6933933	G	P154501	AGREEMENT DATED 11-21-11	Fedorenko /Evelina G	05/01/16	04/01/18	0	80,539	0
		6933934	G	P154501	AGREEMENT DATED 11-21-11	Saxe /Rebecca R	05/01/16	08/31/17	0	27,024	0

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		6933987	G	P153000	SCOL 339603	Fournier /Gregory P.	04/01/15	03/31/17	0	102,521	0
		6934007	G	P153000	SCOL 344707	Bosak /Tanja	04/01/16	03/31/17	0	158,977	0
		6934008	G	P153000	SCOL 290361	Summons /Roger E	05/01/16	04/30/17	0	348,775	0
		6934047	G	P154501	AGREEMENT DATED 11-21-11	Picard /Rosalind W.	05/01/16	04/30/18	0	90,168	0
		6934138	G	P154500	SFARI AWARD ID 308949	Sinha /Pawan	11/01/15	10/31/16	0	190,501	(0)
		6934207	G	P153000	SCOL 327126	Bosak /Tanja	07/01/16	06/30/17	0	175,922	(0)
		6934584	G	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/16	07/31/17	0	385,089	(0)
		6934902	G	P400600	307913	Feng /Guoping	09/01/16	08/31/18	6,009	250,000	(211)
		6935125	G	P154501	AGREEMENT DATED 11-21-11	Wilson /Matthew A	11/01/16	10/31/17	0	50,977	0
		6935126	G	P154501	AGREEMENT DATED 11-21-11	Feng /Guoping	11/01/16	10/31/17	0	59,998	(0)
		6935219	G	P063007	509034SC	Chisholm /Sallie W	10/01/16	09/30/17	0	51,610	(0)
		6935286	G	P154500	SFARI AWARD ID 308949	Sinha /Pawan	11/01/16	10/31/18	33,946	334,141	1,569
		6935304	G	P154501	AGREEMENT DATED 11-21-11	Jasanoff /Alan Pradip	12/01/16	01/31/19	48,793	106,208	0
		6935462	G	P154502	AGREEMENT DATED 11/4/16	Sur /Mriganka	01/01/17	12/31/21	0	39,093	39,093
		6935469	G	P154502	AGREEMENT DATED 11/4/16	Sur /Mriganka	01/01/17	12/31/19	183,501	553,342	115,260
		6935470	G	P154502	AGREEMENT DATED 11/4/16	Sur /Mriganka	01/01/17	12/31/19	44,878	126,900	12,048
		6935471	G	P154502	AGREEMENT DATED 11/4/16	Wilson /Matthew A	01/01/17	10/31/19	239,978	669,023	144,174
		6935472	G	P154502	AGREEMENT DATED 11/4/16	Feng /Guoping	01/01/17	10/31/19	318,502	660,000	53,994
		6935486	G	P063000	519059	Cordero Sanchez /Otto X.	01/01/17	12/31/17	0	256,762	0
		6936089	G	P153000	SCOL 344707	Bosak /Tanja	04/01/17	03/31/18	0	234,714	(0)

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		6936120	G	P154502	AGREEMENT DATED 11/4/16	Fedorenko /Evelina G	01/01/17	03/31/18	0	251,024	(0)
		6936121	G	P154502	AGREEMENT DATED 11/4/16	Gibson /Edward A	01/01/17	06/30/18	14,771	187,602	0
		6936122	G	P154502	AGREEMENT DATED 11/4/16	Schulz /Laura E	01/01/17	03/31/18	0	122,283	(0)
		6936129	G	P153000	SCOL 339603	Fournier /Gregory P.	04/01/17	03/31/18	0	151,085	0
		6936293	G	P153000	543948	Summons /Roger E	05/01/17	04/30/19	0	124,905	0
		6936294	G	P153000	SCOL 290361	Summons /Roger E	05/01/17	04/30/18	0	404,859	1
		6936338	G	P158000	AWARD ID: 542385	Gore /Jeff	05/01/17	04/30/22	114,167	311,087	13,346
		6936342	G	P153000	SCOL 327126	Bosak /Tanja	07/01/17	06/30/18	5,684	92,355	0
		6936343	G	P153000	SCOL 339603	Fournier /Gregory P.	04/01/18	03/31/19	83,009	272,692	117,694
		6936364	G	P063007	542383	Cordero Sanchez /Otto X.	05/01/17	04/30/18	5,626	290,292	(0)
		6936433	G	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/17	07/31/18	29,345	452,820	0
		6936673	G	P400600	542965	DiCarlo /James	07/01/17	06/30/20	0	0	0
		6936803	G	P400600	542993SPI	Jazayeri /Mehrdad	07/01/17	06/30/18	4,862	197,686	0
		6936804	G	P400600	542977SPI	Fee /Michale Sean	10/01/17	09/30/18	101,244	248,435	0
		6936847	G	P154000	550033	Sutherland /Andrew Victor	09/01/17	08/31/21	188,665	307,884	(0)
		6936952	G	P159300	513633	Choi /Bohyun Gloria	09/01/17	08/31/18	73,966	142,784	(0)
		6937042	G	P400600	542965	DiCarlo /James	07/01/17	06/30/18	(15,294)	240,419	0
		6937101	G	P153000		Follows /Michael J	07/01/17	06/30/18	51	170,158	0
		6937102	G	P153000		Follows /Michael J	07/01/18	06/30/19	519,818	1,428,236	908,418
		6937103	G	P153000		Follows /Michael J	07/01/19	06/30/20	0	827,302	827,302
		6937104	G	P153000		Follows /Michael J	07/01/20	06/30/21	0	857,472	857,472
		6937156	G	P158000	AWARD ID: 547335	Harlow /Daniel L.	09/01/17	08/31/19	108,630	220,000	22,467

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		6937299	G	P153000		Follows /Michael J	07/01/21	06/30/22	0	889,947	889,947
		6937530	G	P063007	509034SCFY17	Chisholm /Sallie W	10/01/17	09/30/18	58,759	135,604	(0)
		6937881	G	P063007	572792	Polz /Martin F	10/01/17	09/30/19	(19,007)	0	(12,995)
		6937882	G	P063007	572792	Polz /Martin F	10/01/17	09/30/18	77,573	311,623	(0)
		6938044	G	P153000	290361FY18	Summons /Roger E	05/01/18	04/30/23	0	0	0
		6938116	G	P154502	AGREEMENT DATED 11/4/16	Halassa /Michael	02/01/18	01/31/20	163,987	480,000	239,043
		6938145	G	P153000	290361FY18	Summons /Roger E	05/01/18	04/30/19	336,878	423,949	42,351
		6938251	G	P153000	543948	Summons /Roger E	05/01/18	04/30/19	20,202	18,205	(1,997)
		6938257	G	P153000	SCOL 344707	Bosak /Tanja	04/01/18	03/31/19	84,745	126,989	185
		6938360	G	P154502	AGREEMENT DATED 11/4/16	Sur /Mriganka	04/01/18	03/31/20	253,604	480,000	221,058
		6938361	G	P154502		Desimone /Robert	04/01/18	03/31/20	282,406	480,000	185,664
		6938362	G	P154502		Jasanoff /Alan Pradip	04/01/18	03/31/20	183,056	360,000	157,081
		6938363	G	P154502		Graybiel /Ann M	04/01/18	03/31/20	80,757	240,000	159,243
		6938676	G	P063007	542383	Cordero Sanchez /Otto X.	05/01/18	04/30/19	308,900	484,599	111,531
		6938993	G	P153000	SCOL 327126	Bosak /Tanja	07/01/18	06/30/19	303,665	282,679	(20,986)
		6939016	G	P400600	542993SPI	Jazayeri /Mehrdad	07/01/18	06/30/19	294,356	302,314	7,958
		6939017	G	P400600	542965	DiCarlo /James	07/01/18	06/30/19	251,719	134,581	(117,138)
		6939210	G	P154000	601948	Jerison /David S	08/01/18	08/31/19	39,470	95,413	55,943
		6939342	G	P154500	AWARD NO. 597310	Saxe /Rebecca R	09/01/18	08/31/19	88,932	79,868	(9,064)
		6939376	G	P153000	290361FY18	Summons /Roger E	05/01/19	04/30/20	114,438	400,000	285,562
		6939377	G	P153000	290361FY18	Summons /Roger E	05/01/20	04/30/21	0	400,000	400,000
		6939378	G	P153000	290361FY18	Summons /Roger E	05/01/21	04/30/22	0	400,000	400,000

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		6939379	G	P153000	290361FY18	Summons /Roger E	05/01/22	04/30/23	0	400,000	400,000
		6939424	G	P159300	513633	Choi /Bohyun Gloria	09/01/18	08/31/19	74,243	157,216	82,972
		6939571	G	P154000	550033	Sutherland /Andrew Victor	09/01/18	08/31/19	567,997	1,181,432	613,435
		6939697	G	P063007	LIFE AWARD ID: 337262	Chisholm /Sallie W	08/01/18	07/31/19	350,833	418,673	67,840
		6939765	G	P400600	542977SPI	Fee /Michale Sean	10/01/18	09/30/19	232,604	251,565	18,961
		6939795	G	P063007	572792	Polz /Martin F	10/01/18	09/30/19	274,976	357,772	82,797
		6939860	G	P063007	509034SC	Chisholm /Sallie W	10/01/18	09/30/19	143,982	192,458	48,475
		6939972	G	P154500	325467	Fiete /Ila R	08/01/18	12/31/19	61,112	113,792	52,680
		6940018	G	P153000	290361FY18	Summons /Roger E	05/01/18	04/30/19	16,037	15,077	(960)
		6940102	G	P159300	AWD 575135: MIT CORE 592380	Bear /Mark	10/01/18	09/30/19	52,308	183,768	131,460
		6940145	G	P154500	542979	Fiete /Ila R	08/01/18	06/30/22	41,540	958,304	916,764
		6940406	G	P153000	622065	Babbin /Andrew R.	04/01/19	03/31/20	0	0	0
		6940502	G	P153000	622065	Babbin /Andrew R.	04/01/19	03/31/20	22,354	180,000	157,646
		6940577	G	P153000	SCOL 339603	Fournier /Gregory P.	04/01/19	03/31/20	51,893	207,946	156,053
		6940581	G	P153000	327126	Bosak /Tanja	07/01/19	06/30/20	0	0	0
		6940601	G	P153000	327126	Bosak /Tanja	07/01/19	06/30/20	0	419,732	419,732
		6940707	G	P063007	AWARD ID: 647135	Chisholm /Sallie W	05/01/19	08/31/19	105,539	105,539	0
		6941113	G	P063007	542383	Cordero Sanchez /Otto X.	05/01/19	04/30/20	0	0	0
	007646 University of Hawaii	6936705	G	P063007	P49479	Chisholm /Sallie W	07/01/17	06/30/18	11,374	345,534	0
		6936706	G	P153000	P49480	Follows /Michael J	07/01/17	06/30/18	134	261,665	0
		6939052	G	P063007	P49479	Chisholm /Sallie W	07/01/18	06/30/19	344,191	354,574	10,384

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	011994 University of Hawaii Foundation	6930628	G	P153000	P49480	Follows /Michael J	07/01/14	06/30/15	0	315,221	0
		6930630	G	P153000	P49480	Follows /Michael J	07/01/14	06/30/19	0	0	0
		6930665	G	P063007	P49479	Chisholm /Sallie W	07/01/14	06/30/19	0	0	0
		6930666	G	P063007	P49479	Chisholm /Sallie W	07/01/14	06/30/15	0	317,859	(0)
		6932269	G	P153000	P49480	Follows /Michael J	07/01/15	06/30/16	0	313,218	(0)
		6932270	G	P063007	P49479	Chisholm /Sallie W	07/01/14	06/30/16	0	475,553	(0)
		6934367	G	P063007	P49479	Chisholm /Sallie W	07/01/16	06/30/17	0	351,881	0
		6934827	G	P153000	P49480	Follows /Michael J	07/01/16	06/30/17	0	421,498	(0)
		6939143	G	P153000	P49480	Follows /Michael J	07/01/18	06/30/19	218,349	531,068	312,719
	<b>Total by Primary Sponsor</b>								<b>8,101,423</b>	<b>46,499,435</b>	<b>11,941,306</b>
007350 Alfred P. Sloan Foundation	003821 New Jersey Institute of Technology	6936326	G	P067952	996698	Goldwasser /Shafira	04/01/17	01/31/19	66,979	227,381	76,738
	006902 Environmental Defense Fund	6937246	G	P320000	AGMT DTD 7/1/2017	Perez-Arriaga /Jose Ignacio	07/01/17	06/30/20	137,621	298,550	37,991
	007350 Alfred P. Sloan Foundation	6934419	G	P068000	G-2016-7042	Buongiorno /Jacopo	07/01/16	12/31/18	10,590	999,942	(0)
		6934750	G	P091020	G-2016-7078	Duflo /Esther	07/01/16	06/30/19	123,601	485,000	(7,741)
		6936665	G	P091000	G-2017-9822	Williams /Heidi L	12/01/17	06/30/19	134,724	434,269	294,088
		6936879	G	P122070	G-2017-9824	Van Reenen /John Michael	07/01/17	06/30/20	20,805	70,771	36,135
		6937021	G	P069400	G-2017-9905	Trancik /Jessika	09/01/17	08/31/18	46,683	125,000	(0)
		6937345	G	P091000	G-2017-9797	Acemoglu /K. Daron	07/01/17	06/30/20	84,641	290,000	201,717
		6938273	G	P122070	G-2017-9824	Van Reenen /John Michael	07/01/17	06/30/20	87,282	114,302	26,650
		6938365	G	P320000	G-2018-10119	Armstrong /Robert C	04/01/18	11/30/20	170,116	450,000	279,884
		6938917	G	P063007	G-2018-11096	Kroll /Jesse	09/01/18	08/31/21	10,960	299,424	288,464
		6939344	G	P068100	G-2018-11164	Trancik /Jessika	09/01/18	08/31/19	99,050	125,000	25,950
		6940716	G	P091020	G-2019-11391	Sautmann /Anja	04/01/19	03/31/21	5,750	1,083,750	1,078,000

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	007380 Stanford University	6937954	G	P091020	61469907-120945	Finkelstein /Amy	08/01/17	07/31/18	15,565	79,235	2,386
	011817 The Regents of the University of California	6932580	G	P153000	2090G TA094	Ono /Shuhei	07/01/15	12/31/17	0	70,001	0
	101870 University of California, Los Angeles	6937616	G	P153000	2090 G VA220	Ono /Shuhei	07/01/17	06/30/19	(1,247)	4,764	699
		6938880	G	P153000	2090 G VA220	Ono /Shuhei	07/01/18	06/30/19	36,039	51,236	15,197
<b>Total by Primary Sponsor</b>									<b>1,049,160</b>	<b>5,208,625</b>	<b>2,356,158</b>
007351 Richard and Susan Smith Family Foundation	007351 Richard and Susan Smith Family Foundation	6938838	G	P063007	LTR. DTD. 06/11/2018	Bourouiba /Lydia	09/01/18	08/31/20	141,035	150,000	8,965
	<b>Total by Primary Sponsor</b>								<b>141,035</b>	<b>150,000</b>	<b>8,965</b>
007353 Memorial Sloan-Kettering Cancer Center	007353 Memorial Sloan-Kettering Cancer Center	6939997	C	P061901	SK2017-1904	Sontag /David Alexander	12/07/18	12/31/22	13,236	704,509	691,274
	<b>Total by Primary Sponsor</b>								<b>13,236</b>	<b>704,509</b>	<b>691,274</b>
007356 Smith Richardson Foundation	007356 Smith Richardson Foundation	6928871	G	P097500	SRF GRANT #2013-9333	Narang /Vipin	01/01/14	12/31/19	0	60,000	10,037
		6936770	G	P091000	2017-1465	Autor /David H	07/01/17	12/31/19	281,979	500,000	184,093
	<b>Total by Primary Sponsor</b>								<b>281,979</b>	<b>560,000</b>	<b>194,130</b>
007378 The Spencer Foundation	007378 The Spencer Foundation	6932852	G	P091000	201600065	Pathak /Parag	09/01/15	08/31/18	107,298	987,678	0
	<b>Total by Primary Sponsor</b>								<b>107,298</b>	<b>987,678</b>	<b>0</b>
007380 Stanford University	007380 Stanford University	6933003	C	P069850	60852303-118147	Sadoway /Donald Robert	10/28/15	10/27/18	62,131	450,000	12,422
	<b>Total by Primary Sponsor</b>								<b>62,131</b>	<b>450,000</b>	<b>12,422</b>
007404 Susan G Komen Breast Cancer Foundation	007404 Susan G Komen Breast Cancer Foundation	6938696	G	P067952	OG180001	Barzilay /Regina	06/06/18	06/05/19	155,368	211,346	55,978
	<b>Total by Primary Sponsor</b>								<b>155,368</b>	<b>211,346</b>	<b>55,978</b>
007426 John Templeton Foundation	007426 John Templeton Foundation	6935369	G	P158000	GRANT ID 60148	Moodera /Jagadeesh	10/01/16	09/30/19	99,500	499,000	136,854
	<b>Total by Primary Sponsor</b>								<b>99,500</b>	<b>499,000</b>	<b>136,854</b>
007448 Toyohashi University of Technology	007448 Toyohashi University of Technology	6937239	C	P066000	RESEACH AGREEMENT DATED 8-21-2017	Ross /Caroline A	04/01/17	03/31/19	36,608	63,823	(133)

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	<b>Total by Primary Sponsor</b>								<b>36,608</b>	<b>63,823</b>	<b>(133)</b>
007452 Tides Foundation	007452 Tides Foundation	6935488	G	P405032	TFR16-04026	Reich /Blair Justin F	12/22/16	12/31/19	7,081	149,979	0
		6938071	G	P093800	1711-48863	Reich /Blair Justin F	12/22/16	12/31/19	67,242	150,021	82,778
	<b>Total by Primary Sponsor</b>								<b>74,323</b>	<b>300,000</b>	<b>82,778</b>
007462 Hon Hai Precision Industry Co., Ltd.	007462 Hon Hai Precision Industry Co., Ltd.	6934579	C	P065004	AGMT DTD 8/15/16	Kim /Sangbae	06/15/16	06/14/19	245,744	750,000	26,849
		6934770	G	P060600	AGREEMENT EFF. 09/01/2016	Chandrakasan /Anantha P	09/01/16	08/31/20	162,353	600,000	150,771
		6935972	C	P065004	AGMT DTD 8/15/16	Kim /Sangbae	06/15/16	06/14/19	4,401	150,000	(26,964)
	<b>Total by Primary Sponsor</b>								<b>412,498</b>	<b>1,500,000</b>	<b>150,656</b>
007478 Robert Bosch LLC	007478 Robert Bosch LLC	6917915	C	P320000	BOSCH MITEI SUSTAINING MEMBER	Armstrong /Robert C	01/01/08	12/31/18	0	221,466	96,466
		6917916	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Marzari /Nicola	05/01/08	10/31/12	0	345,000	0
		6917917	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Chen /Gang	01/01/08	04/30/13	0	1,082,062	(0)
		6917918	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Kimerling /Lionel C	05/01/08	11/30/10	0	300,000	(0)
		6917919	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Ceder /Gerbrand	05/01/08	10/31/12	0	343,825	(0)
		6917920	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Marzari /Nicola	01/01/08	05/31/14	0	392,961	0
		6924100	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Buonassisi /Anthony	05/15/11	05/14/13	0	320,000	0
		6925040	C	P320000	2011 BERN GRANT	Buonassisi /Anthony	01/01/12	03/31/15	0	300,000	0
		6926163	C	P320000	BOSCH MITEI SUSTAINING MEMBER RPP 6/1/2012	Cummins /Christopher C	06/01/12	06/30/17	0	889,440	(0)
		6928283	C	P320000	2013 BOSCH ENERGY RESEARCH NETWORK (BERN)GRANT	Shao-Horn /Yang	07/01/13	06/30/15	0	240,000	0
		6928837	C	P320000	BOSCH MITEI SUSTAINING MBR 1/1/2008; RPP	Annaswamy /Anuradha M	09/01/13	08/31/17	0	820,000	0
		6931481	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Brushett /Fikile R	01/01/15	12/31/16	0	349,926	0



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		6932761	C	P320000	BOSCH MITEI SUSTAINING MEMBER RPP 7/1/15	Grossman /Jeffrey C.	07/01/15	06/30/17	0	300,000	0
		6933478	C	P320000	BOSCH MITEI SUSTAINING MEMBER RPP 7/1/15	Yildiz /Bilge	01/01/16	12/31/17	0	308,867	0
		6934090	C	P320000	BOSCH MITEI SUSTAINING MEMBER RPP 7/1/15	Olivetti /Elsa A	04/01/16	12/31/17	0	226,998	0
		6935857	C	P320000	BOSCH MITEI SUSTAINING MEMBER RPP 7/1/15	Perreault /David J	02/01/17	07/31/18	28,023	229,438	(0)
		6936007	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Kulik /Heather Janine	05/01/17	04/30/19	109,555	250,000	(325)
		6936015	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Alexander-Katz /Alfredo	06/01/17	06/30/19	112,767	226,300	7,150
		6937597	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Alexander-Katz /Alfredo	06/01/17	08/15/17	0	23,717	0
		6937691	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Hart /Anastasios John	12/01/17	05/31/19	77,760	144,822	23,050
		6939875	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Hart /Anastasios John	10/01/18	05/31/19	18,820	19,200	380
		6940232	C	P320000	BOSCH MITEI SUSTAINING MEMBER AGT. 1/1/08	Hart /Anastasios John	07/03/18	05/31/19	5,864	5,978	114
		<b>Total by Primary Sponsor</b>							<b>352,789</b>	<b>7,340,000</b>	<b>126,834</b>
007512 U.S.-Israel Binational Science Foundation	007512 U.S.-Israel Binational Science Foundation	6931824	G	P060600	2014506	del Alamo /Jesus A	04/01/15	08/31/18	7,952	150,000	(0)
		6932399	G	P067952	2014276	Vaikuntanathan /Vinod	10/01/15	09/30/19	0	54,000	41,287
		6933406	G	P153000	2014206	Flierl /Glenn Richard	04/01/16	03/31/20	95	24,900	16,785
		6934421	G	P165000	2015211	Dedon /Peter C	09/01/16	08/31/19	4,121	54,750	4,408
		6937362	G	P065004	2016284	Fang /Xuanlai	10/01/17	03/31/18	(0)	0	0
		<b>Total by Primary Sponsor</b>							<b>12,167</b>	<b>283,650</b>	<b>62,481</b>
007554 Los Alamos National Security, L.L.C.	007554 Los Alamos National Security, L.L.C.	6940426	C	P068000	SUBCONTRACT 489270	Forget /Benoit Robert Yves	01/28/19	12/31/19	35,894	75,000	39,106
		6940672	C	P067952	SUBCONTRACT NO. 531711	Leiserson /Charles E	05/01/19	01/31/22	0	116,359	116,359
	<b>Total by Primary Sponsor</b>								<b>35,894</b>	<b>191,359</b>	<b>155,465</b>

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007580 Fundacion LOGyCA	007580 Fundacion LOGyCA	6925610	G	P069501	LOGYCA AGREEMENT	Sheffi /Yosef	01/01/12	12/31/21	0	563,000	563,000
		6925611	G	P069501	LOGYCA AGREEMENT	Sheffi /Yosef	01/01/12	12/31/21	99,356	900,000	21,116
	<b>Total by Primary Sponsor</b>								<b>99,356</b>	<b>1,463,000</b>	<b>584,116</b>
007600 Unicef	007600 Unicef	6933982	G	P065005	PCA2016/09	Winter /Amos G	05/01/16	03/31/18	(218)	303,863	(0)
	<b>Total by Primary Sponsor</b>								<b>(218)</b>	<b>303,863</b>	<b>(0)</b>
007637 University of Texas - Austin	007637 University of Texas - Austin	6921895	C	P063007	UTA10-000118	Germaine /John T	01/01/10	05/31/19	2,325	852,755	302
		6924115	C	P063007	UTA10-000118	Germaine /John T	11/15/10	05/31/14	0	116,080	0
	<b>Total by Primary Sponsor</b>								<b>2,325</b>	<b>968,835</b>	<b>302</b>
007679 The University of Singapore	007679 The University of Singapore	6898022	C	P068200	MOU DATED 9/17/04	Yue /Dick K. P.	07/01/05	01/31/19	0	40,106	40,106
		6898023	C	P068200	MOU DATED 9/17/04	Yue /Dick K. P.	07/01/05	06/30/16	0	2,953	2,953
		6898024	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernet	07/01/05	06/30/15	0	0	0
		6898025	C	P061093	MOU DATED 9/17/04	Peraire /Jaime	07/01/05	12/31/14	0	17,077	795
		6898026	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	06/30/15	0	0	0
		6898027	C	P065004	MOU DATED 9/17/04	Hardt /David E	07/01/05	06/30/15	0	404,526	(0)
		6898029	C	P061093	MOU DATED 9/17/04	Peraire /Jaime	07/01/05	06/30/15	0	1,500	0
		6898030	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	06/30/15	0	0	(0)
		6898031	C	P065004	MOU DATED 9/17/04	Hardt /David E	07/01/05	06/30/15	0	2,053	0
		6898032	C	P060600	MOU DATED 9/17/04	Antoniadis /Dimitri A	07/01/05	10/31/14	0	485,737	0
		6898035	C	P066000	MOU DATED 9/17/04	Chiang /Yet-Ming	07/01/05	10/31/14	0	485,083	0
		6898036	C	P069850	MOU DATED 9/17/04	Fitzgerald /Eugene A	07/01/05	10/31/14	0	942,959	(0)

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		6898037	C	P066000	MOU DATED 9/17/04	Marzari /Nicola	07/01/05	10/25/12	0	426,433	0
		6898038	C	P066000	MOU DATED 9/17/04	Ross /Caroline A	07/01/05	10/31/14	0	614,853	0
		6898039	C	P267600	MOU DATED 9/17/04	Smith /Henry I	07/01/05	01/31/11	0	342,113	0
		6898040	C	P066000	MOU DATED 9/17/04	Stellacci /Francesco	07/01/05	08/31/14	0	730,510	(0)
		6898042	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernet	07/01/05	10/31/14	0	1,136,504	(0)
		6898045	C	P121152	MOU DATED 9/17/04	Freund /Robert Michael	07/01/05	12/31/14	0	0	0
		6898046	C	P065006	MOU DATED 9/17/04	Hadjiconstantinou /Nicolas	07/01/05	08/31/14	0	884,244	170
		6898047	C	P267110	MOU DATED 9/17/04	Han /Jongyoon	07/01/05	10/31/14	0	1,368,620	0
		6898049	C	P068700	MOU DATED 9/17/04	Parrilo /Pablo A	07/01/05	10/31/14	0	257,094	0
		6898051	C	P061093	MOU DATED 9/17/04	Peraire /Jaime	07/01/05	12/31/14	0	590,902	(0)
		6898054	C	P267110	MOU DATED 9/17/04	Voldman /Joel	07/01/05	10/31/14	0	1,297,846	0
		6898055	C	P267500	MOU DATED 9/17/04	White /Jacob K	07/01/05	10/31/14	0	981,231	(3,000)
		6898056	C	P061093	MOU DATED 9/17/04	Willcox /Karen E	07/01/05	12/31/14	0	591,734	(0)
		6898057	C	P402012	MOU DATED 9/17/04	Chen /Jianzhu	07/01/05	10/31/14	0	1,365,428	(0)
		6898058	C	P065006	MOU DATED 9/17/04	Dewey /C Forbes	07/01/05	08/31/14	0	75,033	(0)
		6898059	C	P068200	MOU DATED 9/17/04	Lodish /Harvey F	07/01/05	02/01/15	0	1,350,792	0
		6898060	C	P069200	MOU DATED 9/17/04	Matsudaira /Paul T	07/01/05	05/01/09	0	449,943	(0)
		6898062	C	P066000	MOU DATED 9/17/04	Dao /Ming	07/01/05	10/31/14	0	794,579	0
		6898064	C	P122020	MOU DATED 9/17/04	Welsch /Roy E	07/01/05	06/30/13	0	75,010	(0)
		6898066	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	10/31/14	0	930,492	(0)

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		6898067	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	10/31/14	0	928,187	0
		6898068	C	P065004	MOU DATED 9/17/04	Anand /Lallit	07/01/05	10/31/14	0	1,280,761	0
		6898069	C	P060600	MOU DATED 9/17/04	Boning /Duane S	07/01/05	06/30/11	0	406,932	0
		6898070	C	P069700	MOU DATED 9/17/04	Chun /Jung-Hoon	07/01/05	08/31/14	0	408,161	(0)
		6898072	C	P069700	MOU DATED 9/17/04	Gershwin /Stanley B	07/01/05	06/30/07	0	47,529	0
		6898074	C	P065004	MOU DATED 9/17/04	Hardt /David E	07/01/05	10/31/14	0	1,623,252	0
		6898076	C	P065002	MOU DATED 9/17/04	Thorsen /Todd A.	07/01/05	06/30/11	0	218,818	(0)
		6898077	C	P065003	MOU DATED 9/17/04	Youcef-Toumi /Kamal	07/01/05	08/31/14	0	457,162	0
		6898082	C	P069850	MOU DATED 9/17/04	Fitzgerald /Eugene A	07/01/05	10/31/14	0	796,696	0
		6898084	C	P066000	MOU DATED 9/17/04	Ross /Caroline A	07/01/05	10/31/14	0	797,720	0
		6898087	C	P066000	MOU DATED 9/17/04	Dao /Ming	07/01/05	10/31/14	0	611,780	0
		6898088	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernet	07/01/05	10/31/14	0	794,486	0
		6898089	C	P121152	MOU DATED 9/17/04	Bertsimas /Dimitris J	07/01/05	12/31/07	0	134,619	(2,222)
		6898090	C	P154000	MOU DATED 9/17/04	Edelman /Alan	07/01/05	10/31/14	0	182,779	0
		6898091	C	P121152	MOU DATED 9/17/04	Freund /Robert Michael	07/01/05	12/31/14	0	573,618	(0)
		6898095	C	P068700	MOU DATED 9/17/04	Parrilo /Pablo A	07/01/05	10/31/14	0	454,999	0
		6898096	C	P121012	MOU DATED 9/17/04	Levi /Retsef	07/01/05	06/30/13	0	265,000	0
		6898097	C	P061093	MOU DATED 9/17/04	Peraire /Jaime	07/01/05	12/31/14	0	428,189	0
		6898098	C	P121012	MOU DATED 9/17/04	Perakis /Georgia	07/01/05	10/31/14	0	430,226	0
		6898099	C	P154000	MOU DATED 9/17/04	Strang /W. Gilbert	07/01/05	06/30/13	0	216,600	(0)

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		6898102	C	P061093	MOU DATED 9/17/04	Willcox /Karen E	07/01/05	12/31/14	0	308,018	0
		6898104	C	P065004	MOU DATED 9/17/04	Dewey /C Forbes	07/01/05	10/31/14	0	756,226	0
		6898107	C	P069201	MOU DATED 9/17/04	So /Peter T. C.	07/01/05	10/31/14	0	831,838	(0)
		6898110	C	P122020	MOU DATED 9/17/04	Welsch /Roy E	07/01/05	10/31/14	0	724,580	0
		6898111	C	P267110	MOU DATED 9/17/04	White /Jacob K	07/01/05	10/31/14	0	646,135	0
		6898115	C	P121152	MOU DATED 9/17/04	Gallien /Jeremie	07/01/05	10/31/14	0	426,974	(0)
		6898116	C	P069700	MOU DATED 9/17/04	Gershwin /Stanley B	07/01/05	10/31/14	0	990,212	0
		6898117	C	P069700	MOU DATED 9/17/04	Graves /Stephen C	07/01/05	10/31/14	0	1,209,544	(0)
		6898118	C	P069700	MOU DATED 9/17/04	Hardt /David E	07/01/05	10/31/14	0	378,294	(0)
		6898123	C	P152000	MOU DATED 9/17/04	Buchwald /Stephen Leffler	05/01/06	08/31/14	0	375,930	0
		6898124	C	P062000	MOU DATED 9/17/04	Doyle /Patrick S	05/01/06	08/31/14	0	819,673	(0)
		6898125	C	P062000	MOU DATED 9/17/04	Hatton /Trevor Alan	05/01/06	10/31/14	0	1,218,120	0
		6898128	C	P062000	MOU DATED 9/17/04	Stephanopoulos /Gregory	05/01/06	10/31/14	0	1,118,208	(0)
		6898129	C	P062000	MOU DATED 9/17/04	Trout /Bernhardt L	05/01/06	10/31/14	0	1,224,469	(0)
		6898130	C	P062000	MOU DATED 9/17/04	Wang /Daniel I. C.	05/01/06	08/31/14	0	910,117	0
		6898132	C	P152000	MOU DATED 9/17/04	Buchwald /Stephen Leffler	07/01/05	12/31/07	0	60,000	(0)
		6898133	C	P062000	MOU DATED 9/17/04	Doyle /Patrick S	07/01/05	08/31/14	0	239,587	(0)
		6898134	C	P062000	MOU DATED 9/17/04	Hatton /Trevor Alan	07/01/05	06/30/13	0	600,000	(0)
		6898137	C	P062000	MOU DATED 9/17/04	Stephanopoulos /Gregory	07/01/05	10/31/14	0	599,000	0
		6898138	C	P062000	MOU DATED 9/17/04	Trout /Bernhardt L	07/01/05	02/29/12	0	539,902	(0)

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		6898139	C	P062000	MOU DATED 9/17/04	Wang /Daniel I. C.	05/01/06	08/31/14	0	906,577	(0)
		6899017	C	P069700	MOU DATED 9/17/04	Hardt /David E	12/12/05	08/31/14	0	4,976	0
		6899772	C	P062000	MOU DATED 9/17/04	Trout /Bernhardt L	05/01/06	08/31/14	0	87,922	(0)
		6914189	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernet	07/01/05	08/31/14	0	626,203	0
		6914583	C	P066000	MOU DATED 9/17/04	Thompson /Carl Vernet	11/03/06	12/31/07	0	31,070	0
		6916058	C	P069700	MOU DATED 9/17/04	Hardt /David E	07/01/07	08/31/14	0	689,629	0
		6916868	C	P064000	MOU DATED 9/17/04	Berggren /Karl K	07/01/07	06/30/11	0	59,318	(0)
		6917161	C	P069700	MOU DATED 9/17/04	Hardt /David E	12/01/07	06/30/11	0	7,326	0
		6917240	C	P069700	MOU DATED 9/17/04	Hardt /David E	07/01/07	08/31/14	0	320,993	(0)
		6918174	C	P065005	MOU DATED 9/17/04	Anand /Lallit	07/01/08	06/30/11	0	10,000	0
		6918212	G	P069700	MOU DTD. 9/17/04	Hardt /David E	07/01/08	06/30/11	0	6,571	0
		6918213	G	P069700	MOU DTD. 9/17/04	Hardt /David E	07/01/08	06/30/11	0	5,348	0
		6919360	C	P267600	MOU DATED 9/17/04	Berggren /Karl K	01/01/09	10/31/14	0	168,329	0
		6919945	C	P062000	MOU DATED 9/17/04	Trout /Bernhardt L	07/01/09	06/30/11	0	56,567	0
		6920017	C	P069700	MOU DATED 9/17/04	Anthony /Brian	05/01/09	06/30/11	0	67,600	0
		6921340	C	P267600	MOU DATED 9/17/04	Berggren /Karl K	01/11/10	06/30/13	0	12,085	0
		6922131	C	P069700	MOU DATED 9/17/04	Hardt /David E	07/01/09	08/31/10	0	33,944	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>44,774,155</b>	<b>38,803</b>
007700 V Foundation	007700 V Foundation	6930892	G	P402000	2014 TRANSLATIONAL RESEARCH GRANT	Irvine /Darrell J	11/01/14	11/01/18	41,435	600,000	(0)
		6937484	G	P402000	V2017-016	Birnbaum /Michael E	11/01/17	11/01/19	74,381	200,000	85,994

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	<b>Total by Primary Sponsor</b>								<b>115,816</b>	<b>800,000</b>	<b>85,994</b>
007752 Klingenstein Fund	007752 Klingenstein Fund	6932221	G	P400600	LETTER DATED 5/8/13	Jazayeri /Mehrdad	07/01/15	07/01/20	38,698	225,000	19,059
	<b>Total by Primary Sponsor</b>								<b>38,698</b>	<b>225,000</b>	<b>19,059</b>
007805 Taiwan Semiconductor Manufacturing Co., Ltd.	007805 Taiwan Semiconductor Manufacturing Co., Ltd.	6936777	C	P060600	AGMT EFF DATE 9/1/17	Liu /Luqiao	10/01/17	12/31/19	80,405	300,000	106,394
		6937986	C	P060600	AGMT EFF 10/1/17	Chandrakasan /Anantha P	03/19/18	03/18/20	141,938	300,000	143,462
	<b>Total by Primary Sponsor</b>								<b>222,343</b>	<b>600,000</b>	<b>249,856</b>
007876 MasterCard Foundation	007876 MasterCard Foundation	6940311	G	P035000	AGMT SIGNED 2/8/19	Williams /Sarah E	02/08/19	12/31/19	6,842	40,000	33,158
	<b>Total by Primary Sponsor</b>								<b>6,842</b>	<b>40,000</b>	<b>33,158</b>
009001 Lincoln Laboratory	009001 Lincoln Laboratory	6933537	G	P065004	PO# 7000340579	Anthony /Brian	01/01/16	01/15/18	0	238,000	(0)
		6936795	C	P063007	PO# 7000393666	Williams /Earle R	06/01/17	08/31/19	160,850	292,319	23,624
		6937017	G	P065005	PO# 7000396651	Wang /Evelyn	09/01/17	08/31/18	(1,536)	50,000	0
		6939102	C	P065004	PO# 7000404297	Hart /Douglas	10/01/17	09/30/18	129,087	150,000	20,913
		6940077	C	P065005	7000438136	Wang /Evelyn	11/01/18	10/31/19	32,480	100,000	67,520
		6940196	C	P065009	PO#7000441601	Chen /Gang	01/01/19	03/31/20	22,377	100,000	77,623
		6940203	C	P061901	PO#7000442589	Bourouiba /Lydia	10/01/18	09/30/19	69,222	200,000	130,778
		6940303	C	P066000	PO# 7000445219	Holten-Andersen /Niels	02/01/19	01/31/20	45,101	100,000	54,899
		6940307	C	P065005	PO# 7000444597	Lermusiaux /Pierre	10/01/18	09/30/19	46,843	100,000	53,157
		6940363	C	P065002	PO# 7000445983	Hart /Douglas	01/01/19	12/31/19	62,433	189,297	126,864
		6940386	C	P065004	7000446675	Benjamin /Michael R	02/15/19	06/30/20	52,474	50,000	(2,474)
		6940530	C	P065002	PO# 7000445983	Hart /Douglas	01/01/19	04/30/19	7,499	10,703	3,205
		6940718	C	P066000	PO# 7000451072	Hu /Juejun	04/01/19	05/31/19	3,131	3,121	(10)

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		6940956	C	P153000	PO# 7000455589	Person /Michael J	05/01/19	04/30/20	3,179	33,328	30,149
		6941098	C	P267200	PO#7000457149	Ram /Rajeev J	06/01/19	05/31/20	0	19,500	19,500
		6941106	C	P069201	PO#7000456741	Weiss /Ron	06/01/19	09/30/19	0	55,000	55,000
		6941116	C	P267200	PO#7000457149	Ram /Rajeev J	06/01/19	05/31/20	0	40,500	40,500
		<b>Total by Primary Sponsor</b>							<b>633,139</b>	<b>1,731,768</b>	<b>701,247</b>
009904 MIT - Internal	009904 MIT - Internal	6891055	G	P159400	GLOBAL CHANGE	Prinn /Ronald G	07/01/00	06/30/21	299,416	5,995,000	(30,292)
		6891056	G	P159400	GLOBAL CHANGE	Prinn /Ronald G	07/01/00	06/30/21	40,654	4,026,000	22,072
		6922520	G	P061200	DESHPANDE MOU	Swager /Timothy M	09/01/10	08/31/21	0	1,162,634	1,162,493
		6922521	G	P061200	DESHPANDE MOU	Swager /Timothy M	09/01/10	08/31/21	410,915	3,000,000	190,667
		6922522	G	P061200	DESHPANDE MOU	Cooney /Charles L	09/01/10	08/31/21	0	60,918	60,918
		6922541	G	P061901	DESHPANDE MOU	Edelman /Elazer R	09/01/10	08/31/12	0	249,542	0
		6922542	G	P067952	DESHPANDE MOU	Katabi /Dina	10/01/10	09/30/11	0	47,567	0
		6922543	G	P066000	DESHPANDE MOU	Beach /Geoffrey Stephen	09/01/10	08/31/12	0	100,000	0
		6922544	G	P069700	DESHPANDE MOU	Buonassisi /Anthony	09/01/10	08/31/11	0	125,000	(0)
		6922587	G	P065006	DESHPANDE MOU	Slocum /Alexander H	09/01/10	12/31/11	0	49,974	0
		6922588	G	P039000	DESHPANDE MOU	Raskar /Ramesh	09/01/10	08/31/11	0	50,000	0
		6924441	G	P402000	DESHPANDE MOU	Anderson /Daniel Griffith	10/01/11	09/30/13	0	50,000	(0)
		6924442	G	P069850	DESHPANDE MOU	Cima /Michael J	09/01/11	08/31/12	0	50,000	(0)
		6924443	G	P065004	DESHPANDE MOU	Patera /Anthony T	09/01/11	07/31/13	0	128,153	(0)
		6924444	G	P065009	DESHPANDE MOU	Chen /Gang	10/01/11	03/31/13	0	67,741	(0)



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		6926533	G	P067952	DESHPANDE MOU	Edelman /Alan	09/01/12	12/31/14	0	150,000	(0)
		6926534	G	P152000	DESHPANDE MOU	Johnson /Jeremiah A.	09/01/12	08/31/14	0	151,127	0
		6926536	G	P152000	DESHPANDE MOU	Swager /Timothy M	09/01/12	08/31/14	0	199,586	0
		6926537	G	P061901	DESHPANDE MOU	Liau /Jane-Jane Chen	09/01/12	08/31/15	0	299,356	(0)
		6926538	G	P069201	DESHPANDE MOU	Grodzinsky /Alan J	09/01/12	12/31/15	0	249,932	(0)
		6926539	G	P062000	DESHPANDE MOU	Hammond /Paula T	10/01/12	05/31/14	0	103,362	(0)
		6926540	G	P039000	DESHPANDE MOU	Raskar /Ramesh	09/01/12	08/31/14	0	150,000	(0)
		6928485	G	P267111	DESHPANDE MOU	Grossman /Jeffrey C.	09/01/13	08/31/15	0	199,995	0
		6928488	G	P152000	DESHPANDE MOU	Pentelute /Bradley L.	09/01/13	08/31/15	0	103,323	0
		6928489	G	P066000	DESHPANDE MOU	Schuh /Christopher A	09/01/13	03/31/18	0	224,374	0
		6928490	G	P267600	DESHPANDE MOU	Watts /Michael	09/01/13	08/31/16	0	69,353	0
		6928558	G	P151020	DESHPANDE MOU	Walker /Graham C	09/01/13	08/31/16	0	100,881	0
		6929019	G	P152000	DESHPANDE MOU	Pentelute /Bradley L.	09/01/13	08/31/15	0	52,876	0
		6931892	G	P061903	MICROBIOME	Alm /Eric J	10/01/14	05/31/21	0	13,830	13,830
		6931895	G	P061903	MICROBIOME	Alm /Eric J	10/01/14	09/30/19	0	0	0
		6932086	G	P061903	MICROBIOME	Alm /Eric J	05/01/15	04/30/16	0	215,489	0
		6932154	G	P069201	MICROBIOME	Lu /Timothy K	07/01/15	06/30/19	153,274	300,000	522
		6932158	G	P061901	MICROBIOME	Collins /James J.	07/01/15	04/30/20	51,052	418,750	72,737
		6932308	G	P061903	MICROBIOME	Alm /Eric J	07/01/15	01/31/20	605,114	2,077,799	640,402
		6932322	G	P061903	MICROBIOME	Alm /Eric J	10/01/14	09/30/19	413,950	906,855	(346,845)
		6932436	G	P061903	MICROBIOME	Alm /Eric J	09/01/15	08/31/17	0	200,000	1,015

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		6932437	G	P061903	MICROBIOME	Alm /Eric J	10/01/14	09/30/19	170,624	280,000	(49,395)
		6932777	G	P061097	DESHPANDE MOU	Cahoy /Kerri	09/01/15	08/31/17	0	173,032	0
		6932785	G	P402010	DESHPANDE MOU	Koehler /Angela Nicole	09/01/15	08/31/17	0	249,812	(0)
		6932791	G	P267600	DESHPANDE MOU	Lu /Timothy K	09/01/15	08/31/16	0	75	0
		6933345	G	P061903	MICROBIOME	Alm /Eric J	01/01/16	06/30/19	25,168	156,250	16,469
		6933346	G	P061903	MICROBIOME	Alm /Eric J	01/01/16	12/31/16	0	156,250	0
		6933347	G	P061903	MICROBIOME	Alm /Eric J	01/01/16	03/31/19	72,460	281,250	84,530
		6933348	G	P061903	MICROBIOME	Alm /Eric J	01/01/16	12/31/16	0	50,000	0
		6933349	G	P154000	MICROBIOME	Berger Leighton /Bonnie	01/01/16	08/31/18	7,295	206,250	0
		6933350	G	P063007	MICROBIOME	Polz /Martin F	01/01/16	12/31/17	0	154,657	0
		6933665	G	P061903	MICROBIOME	Alm /Eric J	12/01/15	01/31/21	1,136,458	2,687,500	847,332
		6934500	G	P069201	MICROBIOME	Alm /Eric J	04/01/16	03/31/19	408,097	1,712,900	(190,262)
		6934768	G	P061097	DESHPANDE MOU	Cahoy /Kerri	09/01/15	08/31/17	0	77,419	0
		6935876	G	P165000	MICROBIOME	Ribbeck /Katharina	04/01/17	05/31/19	21,162	62,500	0
		6935953	G	P061903	MICROBIOME	Alm /Eric J	04/01/17	03/31/18	0	62,500	0
		6935954	G	P061903	MICROBIOME	Alm /Eric J	04/01/17	03/31/19	37,995	156,250	0
		6935955	G	P061903	MICROBIOME	Alm /Eric J	04/01/17	03/31/18	(16,500)	100,000	0
		6935956	G	P061903	MICROBIOME	Alm /Eric J	04/01/17	11/30/18	26,829	62,500	0
		6935957	G	P061903	MICROBIOME	Alm /Eric J	05/01/17	12/31/19	6,227	230,580	155,816
		6936504	G	P069201	MICROBIOME	Alm /Eric J	03/30/17	06/30/19	126,147	250,000	(32,907)
		6936800	G	P061903	MICROBIOME	Alm /Eric J	08/01/17	01/31/19	49,524	110,936	21,236

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		6938969	G	P061903	MICROBIOME	Alm /Eric J	05/01/18	01/31/20	10,246	62,500	52,254
		6938970	G	P061903	MICROBIOME	Alm /Eric J	04/01/18	03/31/19	0	125,000	125,000
		6938971	G	P061903	MICROBIOME	Alm /Eric J	07/01/18	06/30/19	215	62,500	62,285
		6938972	G	P061903	MICROBIOME	Alm /Eric J	07/01/18	12/31/19	0	62,500	62,500
		6938978	G	P061901	MICROBIOME	Lieberman /Tami Danielle	07/01/18	06/30/19	64,983	62,500	(2,483)
		6938979	G	P152000	MICROBIOME	Kiessling /Laura L	04/01/18	09/30/19	59,295	62,500	3,205
		6939418	G	P061903	MICROBIOME	Alm /Eric J	06/01/18	05/31/21	0	456,320	456,320
		6939419	G	P061903	MICROBIOME	Alm /Eric J	02/13/18	02/12/21	0	498,291	498,291
		Total by Primary Sponsor								4,180,600	29,962,190
009906 MIT - Internal Cost Sharing	009906 MIT - Internal Cost Sharing	6919766	G	P066000	KK9151	Belcher /Angela M	12/01/08	06/30/14	0	308,355	0
		6919896	G	P066000	KK9151	Belcher /Angela M	12/01/08	12/31/13	0	101,361	0
		6919897	G	P066000	KK9151	Belcher /Angela M	12/01/08	12/31/13	0	34,269	(0)
		6923782	G	P066000	KK9151	Belcher /Angela M	12/01/10	12/31/13	0	345,160	(0)
		6924762	G	P267100	5-DP1-OD008161-05	Yanik /Mehmet Fatih	09/30/11	07/31/16	(43,508)	0	0
		6926548	G	P400600	5-R01-MH097104-02	Feng /Guoping	09/01/12	06/30/16	0	122,526	0
		6927097	G	P035000	AID-OAA-A-12-00095	Sanyal /Bishwapriya	10/01/12	12/31/17	0	331,677	0
		6927098	G	P035000	AID-OAA-A-12-00095	Sanyal /Bishwapriya	10/01/12	12/31/17	0	193,635	0
		6927099	G	P069500	AID-OAA-A-12-00095	Sheffi /Yosef	10/01/12	12/31/17	0	149,035	(0)
		6927100	G	P440105	AID-OAA-A-12-00095	Smith /Amy B	10/01/12	12/31/17	0	230,397	0
		6927101	G	P069400	AID-OAA-A-12-00095	de Weck /Olivier L	10/01/12	12/31/17	0	0	0
		6927264	G	P417000	W911NF-13-D-0001	Joannopoulos /John	01/01/13	12/31/22	633,947	3,766,237	53,309

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		6927368	G	P417000	W911NF-13-D-0001	Elman /Noel M	01/01/13	06/30/15	0	217,176	(0)
		6927369	G	P417000	W911NF-13-D-0001	Klibanov /Alexander M	01/01/13	12/31/13	0	133,484	(0)
		6927370	G	P417000	W911NF-13-D-0001	Barbastathis /George	01/01/13	12/31/13	0	91,226	0
		6927371	G	P417000	W911NF-13-D-0001	Fisher /Peter H	01/01/13	06/30/18	0	75,000	4,996
		6927372	G	P417000	W911NF-13-D-0001	Nelson /Keith Adam	01/01/13	12/31/14	0	52,269	0
		6927383	G	P417000	W911NF-13-D-0001	Win /Moe Z	01/01/13	12/31/14	0	75,085	(0)
		6927384	G	P417000	W911NF-13-D-0001	Levitov /Leonid	07/01/13	12/31/16	0	50,195	(0)
		6927385	G	P417000	W911NF-13-D-0001	Buehler /Markus J	07/01/13	12/31/15	0	53,095	0
		6927387	G	P417000	W911NF-13-D-0001	Johnson /Steven G	01/01/14	12/31/17	0	157,737	0
		6927388	G	P417000	W911NF-13-D-0001	Olsen /Bradley D.	01/01/14	12/31/19	114,515	275,000	30,921
		6927545	G	P400600	2013.1	Graybiel /Ann M	03/01/13	11/30/17	0	187,747	0
		6927672	G	P402000	1-R01-EB016101-01A1	Langer /Robert S	01/01/13	02/29/16	0	142,418	(0)
		6927716	G	P402010	2-R01-CA096504-11	Wittrup /Karl Dane	04/01/13	03/31/16	0	237,540	0
		6927856	G	P402100	LTR-DATED 5/10/13	Sheh /Alexander	07/01/13	06/30/14	0	9,615	0
		6928159	G	P417000	W911NF-13-D-0001	Fink /Yoel	07/01/14	12/31/16	0	127,107	(0)
		6928160	G	P417000	W911NF-13-D-0001	Strano /Michael S.	09/01/14	12/31/17	0	128,453	0
		6928161	G	P417000	W911NF-13-D-0001	Hart /Anastasios John	09/01/14	12/31/17	0	120,100	(0)
		6928603	G	P400600	5-R01-NS025529-26	Graybiel /Ann M	09/15/13	06/30/16	0	78,885	0
		6928671	G	P159300	1-DP2-DK102256-01	Tye /Kay M.	09/30/13	06/30/18	41,001	318,269	0
		6928692	G	P061094	13-C-AJFE-MIT-01	Hansman /Robert J	09/20/13	08/31/19	164,615	1,100,501	(0)

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		6928852	G	P069200	1 P50GM098792-01A1	Weiss /Ron	09/25/13	05/31/14	0	71,839	(0)
		6928870	G	P069500	DTRT13-G-UTC31	Coughlin /Joseph F	09/30/13	09/30/19	0	104,673	(0)
		6929255	G	P069201	KK9151	Lauffenburger /Douglas A	12/01/13	11/30/18	25,107	1,082,856	412,384
		6929323	G	P266300	NA14OAR4170077	Chryssostomidis /Chryssostomo	02/01/14	08/31/19	125,180	3,030,841	30,655
		6929771	G	P243021	5-P41-EB002026-42	Griffin /Robert Guy	05/01/14	05/31/19	52,790	311,589	(7,514)
		6929885	G	P035000	CONTRACT #81074	Zhao /Jinhua	07/01/14	06/30/18	(17,856)	25,279	(86)
		6930048	G	P402000	5-R01-CA184956-02	Manalis /Scott R	09/01/14	08/31/19	0	89,664	0
		6930064	G	P159300	5-R01-MH104536-03	Littleton /J. Troy	06/01/14	02/28/19	20,538	140,681	(0)
		6930090	G	P402012	1-U01-CA184897-01	Gertler /Frank	06/01/14	05/31/15	0	11,951	0
		6930146	G	P165000	2-P01-CA026731-35A1	Tannenbaum /Steven R	06/01/14	05/31/18	0	161,064	0
		6930147	G	P165000	2-P01-CA026731-35A1	Dedon /Peter C	06/01/14	05/31/19	58,321	225,230	29
		6930148	G	P165000	2-P01-CA026731-35A1	Essigmann /John M	06/01/14	05/31/19	30,810	197,960	(0)
		6930149	G	P165000	2-P01-CA026731-35A1	Engelward /Bevin P	06/01/14	05/31/19	26,189	221,268	(0)
		6930218	G	P159300	1-RF1-AG047661-01	Tsai /Li-Huei	07/01/14	05/31/19	12,275	69,786	(288)
		6930225	G	P153000	SCOL 290361	Summons /Roger E	05/01/13	04/30/14	0	2,602	(0)
		6930315	G	P159300	1-RF1-AG047661-01	Tye /Kay M.	07/01/14	05/31/19	23,961	126,190	(853)
		6930546	G	P165000	1-R01-EB017755-01	Grodzinsky /Alan J	09/01/14	08/31/16	0	14,783	(0)
		6930560	G	P067952	2-R01-GM082209-05A1	Tidor /Bruce	06/05/14	05/31/16	0	47,303	33
		6930594	G	P159900	PHY-1437402	Milner /Richard G	08/15/14	12/31/18	0	128,305	(85)
		6930708	G	P402000	4-R00-AG045144-03	Yilmaz /Omer	06/03/14	05/31/18	0	604,802	0

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		6930747	G	P159300	1-RF1-AG048029-01	Tsai /Li-Huei	08/15/14	05/31/19	20,468	113,044	(483)
		6930753	G	P400600	5-R01-NS078127-03	Jazayeri /Mehrdad	04/01/14	03/31/20	47,960	205,572	(43)
		6930843	G	P243021	5-R01-EB001960-39	Griffin /Robert Guy	09/26/14	03/31/19	7,336	65,193	1,106
		6930903	G	P069200	1 P50GM098792-02	Weiss /Ron	03/03/14	05/31/15	0	80,624	0
		6930907	G	P400600	5-R24-MH106075-03	Desimone /Robert	09/26/14	05/31/18	(1,635)	40,630	(2)
		6930973	G	P159300	5610221-5500000694	Tsai /Li-Huei	09/10/14	08/31/15	0	18,333	0
		6931000	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/15	0	11,991	0
		6931023	G	P159300	152754.5068079.0002	Tsai /Li-Huei	09/15/14	05/31/19	12,275	67,660	(431)
		6931290	G	P417000	W911NF-13-D-0001	Varanasi /Kripa	12/01/14	12/31/15	0	51,597	0
		6931291	G	P417000	W911NF-13-D-0001	Gleason /Karen K	01/01/15	12/31/15	0	50,366	(0)
		6931292	G	P417000	W911NF-13-D-0001	Soljacic /Marin	01/01/15	12/31/17	0	325,446	0
		6931360	G	P069850	1-DP2-CA195769-01	Cisse /Ibrahim I	09/23/14	06/30/19	64,518	209,019	(69,566)
		6931365	G	P060600	2(GG008553)	Palacios /Tomas	04/01/14	07/31/19	0	98,300	38,471
		6931366	G	P151002	AGREEMENT DTD.:5/2/2002	Schwartz /Thomas	05/04/02	12/31/18	108,500	466,690	(79,800)
		6931539	G	P159300	5-R01-MH106497-02	Choi /Bohyun Gloria	03/01/15	02/29/20	35,451	140,963	0
		6931584	G	P417000	W911NF-13-D-0001	Zhao /Xuanhe	01/01/15	12/31/17	0	224,963	0
		6931591	G	P064000	152448.5079089.0106	Szolovits /Peter	10/01/14	04/30/15	0	3,436	0
		6931699	G	P159300	5-R01-MH085802-08	Sur /Mriganka	04/01/15	02/28/20	24,718	156,859	(37)
		6931881	G	P402000	2-P30-CA014051-44	Jacks /Tyler E	05/01/15	04/30/16	0	156,268	(0)
		6931918	G	P402012	1-U01-CA184897-01	Gertler /Frank	06/01/14	05/31/16	0	13,247	(0)
		6931983	G	P417000	W911NF-13-D-0001	Wardle /Brian L	05/01/15	12/31/16	0	80,034	(0)

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		6931984	G	P417000	W911NF-13-D-0001	Swan /James W	05/01/15	12/31/16	0	51,246	(0)
		6931991	G	P417000	W911NF-13-D-0001	Swager /Timothy M	06/01/15	12/31/17	0	149,821	0
		6932211	G	P159300	5-R01-EY007023-26	Sur /Mriganka	04/01/15	03/31/20	64,770	209,795	(18,555)
		6932267	G	P069850	0002A-7	Kirchain /Randolph E	05/15/15	05/15/16	0	0	0
		6932391	G	P400600	102106 NIH0070	Lin /Yingxi	07/01/15	06/30/18	(0)	10,726	0
		6932481	G	P063007	DTFH6115C00033	Ben-Akiva /Moshe E	09/15/15	06/14/19	0	280,000	280,000
		6932492	G	P417000	W911NF-13-D-0001	Strano /Michael S.	06/01/15	12/31/16	0	90,522	0
		6932614	G	P165000	5-R01-AI111395-02	Sasisekharan /Ram	08/01/15	07/31/19	46,215	195,752	(0)
		6932694	G	P165000	W81XWH-15-1-0365	Essigmann /John M	09/30/15	09/29/18	0	102,703	0
		6932707	G	P069850	0002B-11	Clark /Joel P	07/16/15	06/30/17	0	70,050	0
		6932737	G	P417000	W911NF-13-D-0001	Olsen /Bradley D.	06/01/15	12/31/16	0	2,742	0
		6932738	G	P417000	W911NF-13-D-0001	Holten-Andersen /Niels	06/01/15	12/31/16	0	0	0
		6932748	G	P159300	5-R01-NS040296-6	Littleton /J. Troy	09/15/15	07/31/19	30,856	113,413	(6,208)
		6932820	G	P243021	2-R01-EB002804-27	Griffin /Robert Guy	04/01/15	04/30/19	10,626	57,029	2,243
		6932863	G	P159300	4-R37-MH087027-08	Miller /Earl K	03/01/15	02/28/20	46,297	181,683	(82)
		6932864	G	P159300	1-R01-EY025437-01	Nedivi /Elly	04/01/15	02/29/20	46,297	136,917	(21,649)
		6932933	G	P066000	DE-AR0000632	Hu /Juejun	10/05/15	01/04/20	36,831	91,962	4,156
		6932935	G	P152000	1-DP2-GM119162-01	Shoulders /Matthew D.	06/30/15	05/31/20	63,386	215,301	(11,593)
		6932953	G	P062000	2-R01-DE013023-16	Langer /Robert S	05/08/15	04/30/20	6,375	119,081	87,929
		6932962	G	P159300	5610222-5500000694	Tsai /Li-Huei	07/01/15	06/30/16	0	20,029	0

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		6933047	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	07/27/15	10/31/17	(122,111)	378,952	(10,494)
		6933060	G	P069850	DE-AR0000625	Michel /Jurgen	12/15/15	04/30/19	0	0	0
		6933090	G	P069201	5-P50-GM098792-03	Weiss /Ron	03/03/15	05/31/16	0	79,481	(0)
		6933224	G	P061901	8943SC	Chakraborty /Arup K	08/15/15	04/30/20	0	26,436	13,189
		6933418	G	P402100	VJMC 36112	Fox /James G	07/01/15	06/30/16	0	23,534	0
		6933437	G	P417000	W911NF-13-D-0001	Soljadic /Marin	01/01/16	12/31/17	0	7,088	0
		6933585	G	P402000	5-R01-EB016101-5	Langer /Robert S	03/01/16	02/28/19	20,538	100,722	0
		6933598	G	P417000	W911NF-13-D-0001	Swager /Timothy M	01/01/16	12/31/17	0	199,607	(0)
		6933599	G	P417000	W911NF-13-D-0001	Cima /Michael J	01/01/16	04/30/18	0	100,595	0
		6933602	G	P417000	W911NF-13-D-0001	Fisher /Peter H	01/01/16	12/31/17	0	68,507	(0)
		6933603	G	P417000	W911NF-13-D-0001	Celanovic /Ivan L.	01/01/16	12/31/19	91,631	337,517	32,512
		6933604	G	P417000	W911NF-13-D-0001	Soljadic /Marin	01/01/16	12/31/17	0	93,976	(0)
		6933605	G	P417000	W911NF-13-D-0001	Bawendi /Moungi G	01/01/16	12/31/16	0	70,627	0
		6933608	G	P039000	SUBAWARD 152772.5906243.0105	Boyden /Edward	09/21/15	06/30/16	0	2,960	0
		6933610	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	07/01/15	06/30/16	0	29,408	0
		6933674	G	P402000	4-R01-CA133404-09	Sharp /Phillip A	06/01/13	03/31/19	42,858	164,515	0
		6933695	G	P069201	1-R01-CA206218-01A1	Weiss /Ron	01/12/16	11/30/19	0	23,895	23,692
		6933726	G	P417000	W911NF-13-D-0001	Cima /Michael J	01/01/16	12/31/16	0	21,518	0
		6933736	G	P402000	4-R01-CA096504-14	Wittrup /Karl Dane	03/01/13	03/31/19	54,763	247,040	(0)
		6933740	G	P402000	4-R01-CA168653-04	Vander Heiden /Matthew G.	04/01/13	12/12/18	11,594	75,800	0

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		6933800	G	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	72,096	(0)
		6933801	G	P165000	PENDING P30ES002109 YEAR 36	Essigmann /John M	04/01/16	03/31/17	0	40,508	0
		6933819	G	P061901	1-R25-GM116705	Gray /Martha L	09/21/15	07/31/18	0	38,608	1,096
		6933914	G	P063007	AGMT DTD 4/30/16	Williams /Earle R	04/01/16	03/31/18	0	0	0
		6933921	G	P165000	PO#0000635383	Alm /Eric J	07/01/15	05/31/16	0	10,063	(0)
		6934032	G	P402000	5-P30-CA014051-45	Jacks /Tyler E	05/01/16	04/30/17	0	163,667	0
		6934108	G	P069850	AGMT. DTD. 3/22/2016	Boning /Duane S	01/01/16	10/31/17	0	0	0
		6934168	G	P402100	VUMC 36112	Fox /James G	04/30/16	06/30/16	0	2,960	0
		6934179	G	P402012	5-U01-CA184897-03	Gertler /Frank	06/01/16	05/31/17	0	13,582	0
		6934189	G	P400600	1-S10-OD021569-01	Gabrieli /John D. E.	04/01/16	03/31/17	0	503,797	470,047
		6934267	G	P069201	4-P50-GM098792-04	Weiss /Ron	03/03/14	05/31/17	0	81,491	0
		6934288	G	P400600	MLSC	Feng /Guoping	03/31/15	06/30/16	0	540,704	540,704
		6934397	G	P159600	LTR. AGREEMENT DTD. 06/29/2016	Fritschel /Peter K	06/30/16	06/30/18	(2,329)	7,087	(0)
		6934438	G	P153000	SUBAWARD AGREEMENT OSR-2015-CRG4-2643	Floyd /Michael	03/01/17	02/28/18	(225)	10,789	0
		6934451	G	P400600	4-R01-MH097104-05	Feng /Guoping	07/01/16	06/30/19	31,483	94,100	(251)
		6934464	G	P159300	5-R37-NS051874-23	Tsai /Li-Huei	04/02/11	06/30/19	12,275	42,606	(288)
		6934529	G	P402100	VUMC 36112	Fox /James G	07/01/16	06/30/17	0	12,129	0
		6934621	G	P402010	1-U54-CA210180-01	White /Forest M	08/01/16	07/31/17	0	23,954	0
		6934652	G	P069850		Clark /Joel P	08/15/16	10/31/18	20,025	228,471	(6,750)
		6934654	G	P069850		Clark /Joel P	06/01/16	08/31/18	0	64,743	(1,937)
		6934656	G	P069850		Clark /Joel P	06/01/16	05/31/18	0	41,237	(1,220)

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		6934658	G	P069850		Clark /Joel P	06/01/16	01/31/18	19,308	50,723	4,681
		6934689	G	P400600	102108 NIH0070	Lin /Yingxi	07/01/16	06/30/17	0	11,681	(0)
		6934691	G	P159900	PHY-1626069	Conrad /Janet Marie	09/01/16	08/31/20	47,398	284,449	39,001
		6934693	G	P400600	4-R01-DC009183-09	Fee /Michale Sean	07/01/16	06/30/18	(9,777)	91,303	0
		6934718	G	P159300	5610223-5500000694	Tsai /Li-Huei	07/01/16	06/30/17	0	23,476	(0)
		6934798	G	P039070	SUBAWARD 152772.59062	Boyden /Edward	09/21/15	06/30/19	0	9,658	6,797
		6934831	G	P400600	1-R01-MH111503-01	Wickersham /Ian R.	09/09/16	05/31/20	(1,621)	26,601	(159)
		6934853	G	P165000	4-R01-EB017755-04	Grodzinsky /Alan J	09/01/16	08/31/17	0	7,520	0
		6934866	G	P159300	1-RF1-AG054012-01	Tsai /Li-Huei	08/01/16	06/30/21	12,173	42,251	(286)
		6934868	G	P067952	1-RF1-AG054012-01	Kellis /Manolis	08/01/16	06/30/21	14,787	13,749	(1,038)
		6934903	G	P400600	5-R01-NS098505-02	Feng /Guoping	09/01/16	06/30/19	13,771	40,819	(109)
		6934906	G	P400600	5-R01-NS025529-28	Graybiel /Ann M	07/01/16	06/30/19	27,773	83,105	561
		6934949	G	P065004	DE-EE0007535	Buonassisi /Anthony	08/01/16	07/31/19	15,711	58,139	26,309
		6934966	G	P153000	NNX15AL62G	Weiss /Benjamin P	07/25/15	07/24/18	0	30,000	30,000
		6935022	G	P400600	2-R01-EY014970-11A1	DiCarlo /James	09/30/16	09/29/18	54,014	108,769	(0)
		6935024	G	P039070	SUBAWARD NO. 3004053346	Boyden /Edward	07/01/16	04/30/20	0	8,803	6,969
		6935026	G	P165000	PENDING P30ES002109 YEAR 36	Selin /Noelle E	09/01/16	03/31/17	0	1,949	0
		6935030	G	P165000	PENDING P30ES002109 YEAR 36	Schlau-Cohen /Gabriela S	09/01/16	03/31/17	0	1,744	0
		6935045	G	P165000	1U24TR001951-01	Grodzinsky /Alan J	09/28/16	08/31/17	0	35,932	0
		6935068	G	P069201	SUBAWARD NO. 2014-312	Fraenkel /Ernest	09/30/14	06/30/17	0	30,151	0
		6935071	G	P062000	DE-EE0007531	Stephanopoulos /Gregory	10/01/16	03/31/19	73,440	321,095	76,759
		6935080	G	P154500	1-R01-DC014739-01A1	McDermott /Joshua Hartman	09/01/16	08/31/19	90,909	228,086	(13,048)

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		6935089	G	P400600	1-DP1-HD091947-01	Kanwisher /Nancy	09/30/16	07/31/19	125,479	234,615	(124,731)
		6935178	G	P402000	2016 RESEARCH INVESTIGATOR	Vander Heiden /Matthew G.	04/01/16	04/01/20	138,299	161,969	(138,299)
		6935194	G	P159300	4500002204	Miller /Earl K	09/01/16	08/31/19	23,398	57,762	(9,649)
		6935326	G	P061901	5-R01-GM114190-02	Mirny /Leonid A	06/01/15	05/31/20	0	37,615	(181)
		6935348	G	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	05/01/17	06/30/17	0	1,343	0
		6935368	G	P159300	1 RF1AG054321-01	Tsai /Li-Huei	09/01/16	05/31/21	18,966	64,553	34
		6935454	G	P401710	AGS-1626041	Erickson /Philip J	09/01/16	08/31/18	(171)	126,641	126,641
		6935464	G	P069850	DE-EE0007810	Chiang /Yet-Ming	10/01/16	12/31/18	0	26,039	(22,279)
		6935479	G	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	08/01/16	07/31/17	0	32,416	1
		6935554	G	P121110	078620-16205 (GRANT CODE: AC995)	Madnick /Stuart E	10/01/15	09/30/20	234,956	484,662	(251,109)
		6935651	G	P401710	NNH17CH01C	Hecht /Michael	11/01/15	09/30/18	0	0	0
		6935727	G	P151000	LETTER DATED FEB 1, 2017	Schwartz /Thomas	07/01/17	06/30/24	219,149	548,548	235,478
		6935758	G	P039070	AGREEMENT DATED 9/27/16	Boyden /Edward	09/27/16	07/31/18	4,670	7,331	0
		6935760	G	P153000	NNX15AH72G	Weiss /Benjamin P	09/01/16	03/30/20	0	30,000	30,000
		6935863	G	P095500	GRANT #2016-4961	Stewart /Charles H	11/14/16	12/31/19	69,048	186,838	36,012
		6936011	G	P402000	1-R01-CA211184-01	Yilmaz /Omer	12/23/16	11/30/19	57,722	37,942	(38,482)
		6936036	G	P165000	5P30ES002109-37	Selin /Noelle E	04/01/17	12/31/17	0	1,778	0
		6936039	G	P165000	5P30ES002109-37	Schlau-Cohen /Gabriela S	04/01/17	05/31/17	0	0	0
		6936047	G	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	0	55,771	0
		6936048	G	P165000	5P30ES002109-37	Essigmann /John M	04/01/17	03/31/18	(0)	53,503	(0)

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		6936097	G	P069201	500489-78051	Griffith /Linda G	08/01/16	04/30/19	0	27,280	19,258
		6936118	G	P417000	W911NF-13-D-0001	Soljacic /Marin	03/01/17	12/31/17	0	13,693	0
		6936139	G	P060600	AGMT. DTD. 3/22/2016	Boning /Duane S	01/01/17	05/31/18	0	0	0
		6936144	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/17	06/30/18	122,112	216,281	(7,200)
		6936166	G	P400600	1-R21-EY025863-01A1	DiCarlo /James	04/01/17	03/31/19	10,714	30,391	2,594
		6936181	G	P441700	MOU DATED 2/2/2017	Freeman /Dennis M	02/01/16	06/30/19	0	20,000	20,000
		6936221	G	P151009	5-R35-GM122538-02	Grossman /Alan Davis	04/01/17	03/31/20	191,302	347,162	781
		6936225	G	P064000	149855.5100033.0402	Han /Jongyoon	03/01/17	02/28/18	137	26,388	(0)
		6936244	G	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/17	06/30/18	0	7,576	0
		6936246	G	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/18	06/30/19	8,454	7,872	(582)
		6936248	G	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/19	03/31/20	0	0	0
		6936252	G	P069850	2-R01-GM102311-05	Gore /Jeff	04/01/17	03/31/19	44,392	132,560	14,867
		6936279	G	P402000	5-P30-CA014051-46	Jacks /Tyler E	05/01/17	04/30/18	2,437	167,930	(0)
		6936355	G	P402100	1(GG012741-01)	Fox /James G	12/07/16	11/30/17	0	6,903	0
		6936434	G	P402100	2(GG012789-02)	Fox /James G	05/12/17	04/30/18	0	12,400	0
		6936445	G	P402012	5-U01-CA184897-04	Gertler /Frank	06/01/17	05/31/18	0	13,804	0
		6936469	G	P066000	SC5-16-2016-2017	Olivetti /Elsa A	12/01/16	11/30/18	8,595	45,639	(180)
		6936471	G	P165000	PRIME 00124227, SUB UFDSP00010950	Dedon /Peter C	09/01/16	05/31/17	0	13,674	0
		6936616	G	P402000	1-U54-CA217377-01	Manalis /Scott R	06/01/17	04/30/18	0	65,897	0
		6936696	G	P402000	17-20-47-BIRN	Birnbaum /Michael E	07/01/17	06/30/19	14,350	28,053	0
		6936703	G	P400600	2-R01-MH060379-16	Graybiel /Ann M	07/01/17	03/31/20	34,289	55,428	(6,538)
		6936711	G	P402100	VUMC 36112	Fox /James G	07/01/17	06/30/18	0	27,607	(0)
		6936724	G	P154500	5-P30-EY002621-40	DiCarlo /James	04/01/08	09/29/18	5,957	61,171	0

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		6936730	G	P151054	2-R01-GM085319-09	Burge /Christopher B	05/01/17	07/31/19	43,728	88,926	(418)
		6936759	G	P402000	4-R00-CA204595-03	Spranger-Zimmermann /Stefani	07/12/17	06/30/20	172,913	262,363	(0)
		6936769	G	P402000	MAS-228292 PO#6535310	White /Forest M	06/01/17	05/31/19	8,262	16,463	(13)
		6936811	G	P066000	DE-AR0000847	Hu /Juejun	07/01/17	07/15/19	22,975	43,267	(1,604)
		6936856	G	P069201	5-P50-GM098792-05	Weiss /Ron	06/01/17	11/30/18	0	82,822	(0)
		6936909	G	P402010	5-U54-CA210180-02	White /Forest M	08/01/17	07/31/18	0	27,377	0
		6936913	G	P402000	01026284	Bhatia /Sangeeta N	06/01/17	05/31/18	784	24,510	0
		6936964	G	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	27,456	0
		6936977	G	P165000	1-P42-ES027707-01	Essigmann /John M	08/01/17	03/31/18	0	15,560	(0)
		6936979	G	P165000	1-P42-ES027707-01	Engelward /Bevin P	08/01/17	03/31/18	0	18,802	0
		6936981	G	P165000	1-P42-ES027707-01	Lauffenburger /Douglas A	08/01/17	03/31/18	0	15,560	(0)
		6936984	G	P165000	5-U24-TR001951-02	Grodzinsky /Alan J	09/01/17	08/31/18	0	36,335	0
		6936993	G	P402000	2-P01-CA042063-31	Jacks /Tyler E	08/01/17	07/31/19	89,779	169,202	(4,993)
		6937091	G	P402000	1R35ES028374-01	Yaffe /Michael B	09/01/17	07/31/19	141,535	190,391	(224)
		6937164	G	P400600	102108 NIH0070	Lin /Yingxi	07/01/17	06/30/18	0	12,207	(0)
		6937169	G	P159300	5610221-5500000694	Tsai /Li-Huei	07/01/17	06/30/18	0	24,129	0
		6937212	G	P151073	1-R35-GM124732-01	Li /Gene-Wei	09/01/17	08/31/19	79,028	153,577	0
		6937223	G	P062000	DE-EE0007982	Green /William H	01/15/17	03/30/20	0	3,092	3,092
		6937236	G	P165000	1-P42-ES027707-01	Essigmann /John M	08/01/17	03/31/18	0	35,312	0
		6937245	G	P243020	DE-EE0007871	Bromberg /Leslie	07/01/17	09/30/18	4,205	50,810	18,796

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		6937270	G	P062000	DE-FE0026489	Halton /Trevor Alan	08/01/17	03/31/19	0	89,972	89,972
		6937279	G	P418102	4-R00-AG050749-03	Davis /Joseph Harry	09/01/17	05/31/20	153,708	296,836	(0)
		6937281	G	P266300	NA17OAR4170295	Triantafyllou /Michael S	09/01/17	08/31/19	0	26,428	26,428
		6937288	G	P418103	4-R00-GM115765-03	Lamason /Rebecca	09/01/17	08/31/19	153,685	296,792	0
		6937339	G	P159300	1-R01-NS102730-01	Tsai /Li-Huei	09/15/17	06/30/19	11,105	18,548	(387)
		6937371	G	P159300	1-R01-MH115037-01	Choi /Bohyun Gloria	09/12/17	06/30/19	36,133	68,137	(1,472)
		6937416	G	P151000	1R25OD023756	Sassanfar /Mandana	07/01/17	06/30/19	0	15,613	15,613
		6937544	G	P165000	1-R35-ES028303-01	Walker /Graham C	09/15/17	05/31/20	157,245	313,411	(248)
		6937548	G	P320000	FME HIGHEFF AGREEMENT 2017-02-02	Barton /Paul I	06/01/17	05/31/19	0	25,152	131
		6937591	G	P400600	1-U01-MH114819-01	Feng /Guoping	09/20/17	05/31/20	31,449	96,793	4,295
		6937600	G	P402000	0125 G VB518	White /Forest M	09/01/17	08/31/18	1,578	2,822	0
		6937610	G	P152000	1-DP2-GM128200-01	Schlau-Cohen /Gabriela S	09/01/17	05/31/22	35,350	59,884	(3,647)
		6937615	G	P165000	1-UG3-TR002186-01	Grodzinsky /Alan J	06/01/17	02/28/18	0	30,279	0
		6937643	G	P069850	2016389	Checkelsky /Joseph	10/01/17	09/30/19	0	3,109	3,109
		6937656	G	P400600	1555858	Lin /Yingxi	09/21/17	06/30/18	0	12,442	1,382
		6937668	G	P402000	NNX16A069A	Langer /Robert S	11/01/17	10/31/18	9,943	43,729	0
		6937678	G	P152000	2-P41-EB015871-31	So /Peter T. C.	06/18/17	08/31/19	62,917	125,623	296
		6937679	G	P152000	2-P41-EB015871-31	Schlau-Cohen /Gabriela S	06/18/17	08/31/19	31,419	56,355	(3,242)
		6937680	G	P152000	2-P41-EB015871-31	Bawendi /Moungi G	06/18/17	08/31/19	31,287	62,812	263
		6937685	G	P402012	5-R01-CA034992-35	Yilmaz /Omer	09/01/17	03/31/20	11,641	22,946	(11)
		6937908	G	P402100	1(GG012741-01)	Fox /James G	12/01/17	11/30/18	2,292	6,865	0
		6938064	G	P159300	SUBAWARD NO.4500002555	Wilson /Matthew A	09/30/17	08/31/19	1,700	3,880	103

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		6938070	G	P402000	0125 G VB305	White /Forest M	09/25/17	08/31/19	5,859	10,658	(206)
		6938073	G	P266300	NA18OAR4170105	Triantafyllou /Michael S	02/01/18	01/31/20	720,435	1,316,923	535,637
		6938171	G	P417000	W911NF-13-D-0001	Fang /Xuanlai	01/01/18	12/31/19	63,319	100,000	36,681
		6938172	G	P417000	W911NF-13-D-0001	Wardle /Brian L	01/01/18	12/31/19	20,268	50,000	23,176
		6938173	G	P417000	W911NF-13-D-0001	Kolle /Mathias	01/01/18	12/31/19	8,873	100,000	56,340
		6938174	G	P417000	W911NF-13-D-0001	Nelson /Keith Adam	01/01/18	12/31/19	47,790	100,000	26,141
		6938175	G	P417000	W911NF-13-D-0001	Bawendi /Moungi G	01/01/18	12/31/19	78,504	100,000	10,350
		6938176	G	P417000	W911NF-13-D-0001	Holten-Andersen /Niels	01/01/18	12/31/19	18,679	25,000	6,321
		6938177	G	P417000	W911NF-13-D-0001	McKinley /Gareth H	01/01/18	12/31/19	10,131	25,000	11,755
		6938178	G	P417000	W911NF-13-D-0001	Olsen /Bradley D.	01/01/18	12/31/19	5,240	25,000	19,760
		6938179	G	P417000	W911NF-13-D-0001	Zhao /Xuanhe	01/01/18	12/31/19	(7,463)	25,000	6,940
		6938180	G	P417000	W911NF-13-D-0001	Kong /Jing	01/01/18	12/31/19	13,264	16,667	3,403
		6938181	G	P417000	W911NF-13-D-0001	Palacios /Tomas	01/01/18	12/31/19	1,569	16,667	15,098
		6938182	G	P417000	W911NF-13-D-0001	Swager /Timothy M	01/01/18	12/31/19	30,257	33,334	(277)
		6938203	G	P400600	1-R01-NS106031-01	Harnett /Mark Thomas	04/01/18	03/31/20	35,775	43,397	0
		6938212	G	P066000	17-S33	Hu /Juejun	12/15/17	12/14/19	0	0	0
		6938218	G	P417000	W911NF-13-D-0001	Bawendi /Moungi G	01/01/18	12/31/19	85,405	90,000	4,595
		6938233	G	P095500	AGMT. DTD. 04/02/18	Hidalgo /Fernando Daniel	02/01/18	09/30/19	9,540	12,302	2,762
		6938245	G	P159300	4DP2DK102256-02	Tye /Kay M.	07/01/18	08/31/19	71,148	81,767	10,619
		6938268	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/18	12/31/18	103,577	223,440	(6,848)

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		6938296	G	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	51,350	59,288	(0)
		6938297	G	P165000	5P30ES002109-38	Essigmann /John M	04/01/18	03/31/19	53,954	55,502	0
		6938314	G	P165000	5 P42 ES027707-02	Engelward /Bevin P	04/01/18	03/31/19	35,175	42,694	375
		6938315	G	P165000	5 P42 ES027707-02	Essigmann /John M	04/01/18	03/31/19	27,650	35,588	(0)
		6938327	G	P165000	5 P42 ES027707-02	Essigmann /John M	04/01/18	03/31/19	0	15,777	0
		6938331	G	P165000	5 P42 ES027707-02	Lauffenburger /Douglas A	04/01/18	03/31/19	0	15,777	0
		6938368	G	P039070		Boyden /Edward	09/01/17	07/31/19	24,334	46,250	21,916
		6938382	G	P039070	5-R01-NS102727-02	Boyden /Edward	07/01/17	03/31/19	923	23,125	22,202
		6938383	G	P417000	W911NF-13-D-0001	Johnson /Steven G	01/01/18	12/31/19	61,574	100,000	(618)
		6938410	G	P039070	1-R01-EB024261-01	Boyden /Edward	07/15/17	04/30/19	0	46,731	46,731
		6938416	G	P039070	1-R01-MH114031-01	Boyden /Edward	08/25/17	06/30/19	16,015	34,688	18,673
		6938417	G	P400600	1-R01-MH114031-01	Desimone /Robert	08/25/17	06/30/19	(779)	28,158	(65)
		6938483	G	P402000	MAS-237886/PO# 6584450	Chen /Jianzhu	03/01/18	12/31/18	6,281	11,014	0
		6938484	G	P402000	2-R01-GM034277-33	Sharp /Phillip A	06/01/18	05/31/20	63,092	56,525	(6,568)
		6938521	G	P039070	64580127/PO# 921003-SV	Boyden /Edward	09/21/17	05/31/19	5,652	11,641	5,989
		6938522	G	P159300	SUBAWARD NO. 231125	Wilson /Matthew A	08/03/17	05/31/18	0	23,665	0
		6938538	G	P402000	MRA TEAM SCIENCE AWARD #565436	White /Forest M	06/01/18	05/31/19	15,126	58,333	43,207
		6938555	G	P154500	7-R01-MH107680-04	Halassa /Michael	02/01/18	04/30/19	0	3,994	0
		6938597	G	P402000	2-P30-CA014051	Jacks /Tyler E	05/01/18	04/30/19	151,241	165,229	(4,386)
		6938605	G	P165000	5-UG3-TR002186-02	Grodzinsky /Alan J	03/01/18	02/28/19	0	30,700	(0)
		6938609	G	P402010	MRA TEAM SCIENCE AWARD #565436	Birnbaum /Michael E	06/01/18	05/31/19	50,620	116,667	66,047



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		6938611	G	P402012	MRA TEAM SCIENCE AWARD #565436	Spranger-Zimmermann /Stefani	06/01/18	05/31/19	64,695	116,667	50,654
		6938613	G	P402010	MRA TEAM SCIENCE AWARD #565436	Wittrup /Karl Dane	06/01/18	05/31/19	27,538	58,333	30,795
		6938643	G	P065004	17-096	Buonassisi /Anthony	05/03/16	07/31/18	0	0	0
		6938683	G	P069850	EXHIBIT 1-A	Tibbits /Skylar	05/08/18	05/07/19	25,504	24,758	(746)
		6938697	G	P400600	1-R01-MH111916-01A1	Desimone /Robert	05/08/18	02/29/20	38,640	45,931	(193)
		6938703	G	P154500	5-R01-NS098505-02	Halassa /Michael	09/01/17	06/30/19	47,802	94,435	(0)
		6938705	G	P400600	1-R01-MH111916-01A1	Feng /Guoping	05/08/18	02/29/20	13,348	15,310	(14)
		6938734	G	P402000	5-U54-CA217377-02	Manalis /Scott R	05/01/18	04/30/19	64,487	74,587	(9)
		6938753	G	P159300	229428	Sur /Mriganka	09/30/16	06/30/19	10,423	59,882	17,075
		6938771	G	P402012	5-U01-CA184897-05	Gertler /Frank	06/01/18	05/31/20	13,886	13,865	(22)
		6938869	G	P066000	80MSFC18M0033	Schuh /Christopher A	06/18/18	06/20/19	54,033	59,128	5,095
		6938876	G	P402000	1-R01-EB025854-01	Irvine /Darrell J	06/15/18	03/31/20	50,667	49,224	(1,443)
		6938923	G	P402100	VJMC 36112	Fox /James G	07/01/18	06/30/19	27,773	27,773	0
		6938960	G	P402100	2(GG012789-08)	Fox /James G	05/01/18	04/30/19	12,221	12,221	0
		6938962	G	P402000	SUBK00009075	Yaffe /Michael B	04/01/18	05/31/19	42,460	85,547	43,086
		6939033	G	P165000	19-4-80311	Dedon /Peter C	01/01/18	08/31/19	15,795	15,739	(56)
		6939130	G	P402010	5-U54-CA210180-03	White /Forest M	08/01/18	07/31/19	27,541	27,498	(44)
		6939135	G	P402000	0255-8673-4609	Love /John C	06/01/18	05/31/19	5,661	5,661	(0)
		6939162	G	P159300	SUBAWARD NO. 230203	Miller /Earl K	02/01/18	01/31/20	15,569	26,049	10,480
		6939192	G	P417500	DE-FE0031668	Tuller /Harry L	08/17/18	08/16/20	0	0	0
		6939226	G	P069850	DE-EE0008316	Allanore /Antoine	05/15/18	07/31/19	0	0	0
		6939274	G	P159300	5610225-5500000694	Tsai /Li-Huei	07/01/18	06/30/19	18,966	18,419	(547)

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
		6939565	G	P152000	CHE-1828570	Nelson /Keith Adam	08/15/18	07/31/21	0	226,520	226,520
		6939632	G	P159300	1-RF1-AG062377-01 REVISED	Tsai /Li-Huei	09/30/18	06/30/23	31,060	34,884	3,825
		6939641	G	P159300	1-R01-AG062335-01	Tsai /Li-Huei	09/30/18	05/31/20	12,222	11,768	(454)
		6939656	G	P159300	1-R01-MH115920-01	Tye /Kay M.	06/26/18	03/31/19	24,637	24,637	(0)
		6939691	G	P159300	1-U01-NS110453-01	Tsai /Li-Huei	09/30/18	08/31/19	11,227	11,768	541
		6939782	G	P062000	DE-SC0019112	Strano /Michael S.	08/01/18	07/31/19	13,967	121,000	107,033
		6939812	G	P067952	114963-5104790	Barzilay /Regina	07/15/18	03/31/20	1,281	151	(1,130)
		6939862	G	P400600	132692-5106604	Feng /Guoping	07/01/18	03/31/24	36,784	36,784	(0)
		6939863	G	P065004	DE-EE0008381	Henry /Asegun S	05/31/18	09/30/19	0	0	0
		6939864	G	P065004	DE-EE0008375	Henry /Asegun S	05/15/18	09/30/19	28,138	28,139	0
		6939865	G	P400600	1 RF1 MH117809-01	Fee /Michale Sean	09/21/18	09/20/21	56,781	56,781	0
		6939878	G	P400600	1U24OD026638-01	Feng /Guoping	09/01/18	07/31/19	30,658	30,658	(0)
		6939949	G	P065004	14000388-014	Henry /Asegun S	10/01/18	09/30/19	37,275	37,275	0
		6939966	G	P065004	113098-5109806	Guo /Ming	09/01/18	08/31/19	0	0	0
		6939980	G	P065004	SUBAWARD NO: 17-096	Buonassisi /Anthony	08/01/18	07/31/19	21,145	32,416	11,271
		6939987	G	P165000	19-23-80301	Dedon /Peter C	06/01/18	05/31/19	7,851	7,851	0
		6940021	G	P417000	W911NF-13-D-0001	Joannopoulos /John	09/01/18	12/31/18	38,091	155,000	116,909
		6940023	G	P402100	1(GG012741-03)	Fox /James G	12/01/18	11/30/19	4,594	4,594	(0)
		6940119	G	P417000	W911NF-13-D-0001	Zhao /Xuanhe	01/01/19	12/31/19	11,367	50,000	38,633
		6940126	G	P400600	1-R01-EY029666-01	Desimone /Robert	01/01/19	12/31/19	30,700	30,700	0

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		6940130	G	P159300	7-R01-AG058002-02	Tsai /Li-Huei	06/15/18	05/31/20	10,746	12,071	1,325
		6940141	G	P402000	NNX16A069A/PO#70000043	Langer /Robert S	11/01/18	10/31/19	34,800	34,800	0
		6940142	G	P159600	AST-1828470	Simcoe /Robert A	09/01/18	09/30/21	0	293,693	293,693
		6940186	G	P065005	DE-FE0031677	Wang /Evelyn	10/01/18	09/30/21	0	0	0
		6940190	G	P152000	6323401	Johnson /Jeremiah A.	09/01/18	08/31/19	33,954	47,367	13,412
		6940200	G	P402000	2-R01-CA168653-06A1	Vander Heiden /Matthew G.	12/13/18	11/30/19	19,138	19,090	(48)
		6940250	G	P159300	N00014-19-1-2036	Nedivi /Elly	01/18/19	01/17/23	20,337	20,503	166
		6940357	G	P066000	A007462901	Ross /Caroline A	10/01/18	12/31/19	23,936	23,941	5
		6940358	G	P417000	W911NF-13-D-0001	Raskar /Ramesh	01/01/19	12/31/19	0	25,000	25,000
		6940359	G	P417000	W911NF-13-D-0001	Bawendi /Moungi G	01/01/19	12/31/19	17,766	25,000	7,234
		6940402	G	P039070	SP0046269-PROJ001311	Boyden /Edward	09/30/18	07/31/19	0	16,792	16,792
		6940413	G	P065004	SUB3-00233	Asada /Haruhiko	08/01/18	10/14/19	110,352	145,976	35,624
		6940452	G	P165000	4-UH3-TR002186-03	Grodzinsky /Alan J	03/01/19	02/29/20	27,628	27,498	(131)
		6940461	G	P165000	5P42ES027707-02 REVISE	Engelward /Bevin P	04/01/19	03/31/20	0	0	0
		6940462	G	P165000	5P42ES027707-02 REVISE	Selin /Noelle E	04/01/19	03/31/20	0	0	0
		6940476	G	P165000	5P42ES027707-02 REVISE	Lauffenburger /Douglas A	04/01/19	03/31/20	0	0	0
		6940489	G	P165000	5P30ES002109-38 REVISE	Tat /Amanda	04/01/19	03/31/20	0	0	0
		6940490	G	P165000	5P30ES002109-38 REVISE	Tat /Amanda	04/01/19	03/31/20	55,941	55,458	(483)
		6940517	G	P159300	2-R01-MH104536-06	Littleton /J. Troy	12/01/18	12/31/19	10,252	30,857	20,606
		6940555	G	P243021	1-P41-GM132079 -01	Griffin /Robert Guy	05/01/19	05/31/20	13,186	11,060	(2,127)

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		6940579	G	P267500	DE-EE0008558	Kim /Jeewan	03/01/19	02/28/21	0	125,000	125,000
		6940609	G	P402000	1-R01-CA226898-01A1	Yaffe /Michael B	12/07/18	11/30/19	27,384	0	(27,384)
		6940741	G	P067952	120368	Golland /Polina	09/22/18	06/30/19	37,705	35,848	(1,856)
		6940749	G	P159300	5-R21-NS105070-02	Nedivi /Elly	09/30/17	08/31/19	0	36,118	36,118
		6940768	G	P402000	5-U54-CA217377-03	Manalis /Scott R	05/01/19	04/30/20	0	0	0
		6940788	G	P154500	2-R01-EY020517-07	Sinha /Pawan	07/01/18	06/30/19	30,700	0	(30,700)
		6940835	G	P039070	01061188	Boyden /Edward	08/23/18	05/31/19	0	0	0
		6940844	G	P069850	AGMT. DTD. 3/22/2016	Kimerling /Lionel C	01/01/19	12/31/19	129,471	0	(129,471)
		6941014	G	P402000	2-P30-CA014051-48	Jacks /Tyler E	05/01/19	04/30/20	18,057	0	(18,057)
		6941016	G	P065004	72026319CA00003	Ghoniem /Ahmed F	02/20/19	02/19/24	0	187,000	187,000
		6941030	G	P061096	AGREEMENT DTD 2/6/19	Tan /Choon S	01/01/19	12/31/20	0	0	0
		6941035	G	P159300	18-A0-00-1001558-01; PO: M190200494	Wilson /Matthew A	07/12/18	04/30/19	28,482	23,473	(5,009)
		Total by Primary Sponsor								8,595,435	38,874,618
009990 Accounts Cancelled	009990 Accounts Cancelled	6919334	C	P066000	CANCELLED	Stellacci /Francesco	03/01/09	03/01/09	0	0	0
		6932343	G	P153000	ACCOUNT CANCELED	Weiss /Benjamin P	07/25/15	07/25/15	0	0	0
		6938366	C	P065004		Annaswamy /Anuradha M	10/01/17	10/01/17	0	0	0
		6938563	G	P065004	ACCOUNT CANCELLED	Annaswamy /Anuradha M	10/02/17	10/02/17	0	0	0
		6938926	G	P065004	ACCOUNT CANCELLED	Henry /Asegun S	07/01/18	07/02/18	0	0	0
		6938982	G	P065005	ACCOUNT CANCELLED	Winter /Amos G	09/01/17	06/24/18	0	0	0
		6939322	C	P060500	ACCOUNT CANCELLED	Newman /Dava J	06/01/18	09/30/18	0	0	0
		6939471	C	P060050	ACCOUNT CANCELLED	Torralba /Antonio	09/01/17	09/01/17	0	0	0

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		6939497	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	09/01/18	0	0	0
		6939498	G	P400600	CCF-1231216	Poggio /Tomaso A	08/01/13	09/01/18	1,015	0	(1,015)
		6939840	G	P065009	ACCOUNT CANCELLED	Chen /Gang	09/01/18	09/01/18	0	0	0
		6939960	C	P243020	ACCOUNT CANCELLED	Irby /James Henderson	06/01/18	06/01/18	0	0	0
		6940114	C	P067952	ACCOUNT CANCELLED	Madry /Aleksander	09/01/18	09/01/18	0	0	0
		6940531	C	P243020	ACCOUNT CANCELLED	Greenwald /Martin J	03/01/19	03/01/19	0	0	0
		6940641	G	P440107	ACCOUNT CANCELLED	Smith /Amy B	04/01/19	04/01/19	0	0	0
		6940692	G	P267500	ACCOUNT CANCELED	Kim /Jeewan	03/01/19	03/01/19	0	0	0
		6940696	C	P320000		Ghoniem /Ahmed F	04/15/19	04/15/19	0	0	0
	<b>Total by Primary Sponsor</b>								<b>1,015</b>	<b>0</b>	<b>(1,015)</b>
010004 Total S.A.	010004 Total S.A.	6918620	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Armstrong /Robert C	09/01/08	08/31/19	0	108,749	108,749
		6918621	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	Malcolm /Alison E	06/01/09	12/31/11	0	204,511	0
		6918622	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	Malcolm /Alison E	01/01/10	12/31/14	0	814,230	0
		6918623	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	Demagnet /Laurent	06/01/10	09/30/20	455,635	4,238,373	393,529
		6918624	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Fehler /Michael C	06/01/10	05/31/15	0	499,994	(0)
		6920479	C	P320000	PO 4505194092	Sadoway /Donald Robert	09/01/09	06/30/17	0	5,366,457	0
		6921247	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	van der Hilst /Robert D	01/01/09	08/31/14	0	300,000	0
		6921248	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 RPP 1/6/10	van der Hilst /Robert D	06/01/09	05/31/15	0	534,754	(0)
		6922583	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08 CODE	Gleason /Karen K	10/01/10	12/31/12	0	263,419	(0)
		6922672	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Malnati /Christine M	09/01/09	08/31/13	0	400,000	0

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		6923166	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Sadoway /Donald Robert	11/18/10	04/01/11	0	25,015	0
		6928772	C	P320000	TOTAL MITEI SUSTNG MBR 9/08, RPP, PO 1030139201	Allen /Samuel Miller	09/01/13	09/30/14	0	77,185	(0)
		6929145	C	P320000	TOTAL MITEI SUSTNG MBR 9/08, RPP, PO 1030139201	Allen /Samuel Miller	09/01/13	04/15/14	0	17,680	0
		6929612	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Hager /Bradford H	04/01/14	03/31/18	0	3,263,123	5
		6929613	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Einstein /Herbert H	02/01/14	03/31/18	(5,375)	1,054,710	(0)
		6929614	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Williams /John R	04/01/14	12/31/19	13,495	988,803	80,205
		6932960	C	P320000	TOTAL MITEI SUSTNG MBR 9/08, RPP	Buonassisi /Anthony	10/01/15	09/30/19	194,139	650,000	106,511
		6936998	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Pellenq /Roland Jm	07/01/17	06/30/22	664,613	982,012	(21,296)
		6936999	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Pellenq /Roland Jm	07/01/17	05/31/20	143,333	303,414	(0)
		6938985	C	P320000	TOTAL MITEI SUSTAINING MEMBER AGT. 9/1/08	Demanet /Laurent	07/01/18	06/30/21	224,865	585,436	360,572
		6939936	C	P159400	SRA EFFECTIVE 01/01/2019	Paltsev /Sergey	01/01/19	12/31/21	26,377	360,000	333,623
		Total by Primary Sponsor									1,717,083
010022 Templeton Foundation	005265 Boston College	6940584	G	P121012	5107321-03	Rand /David Gertler	12/03/18	12/02/19	34,371	113,153	78,782
	006875 Northeastern University	6940098	G	P039000	#508473-78051	Hidalgo Ramaciotti /Cesar A.	09/01/18	08/31/19	0	50,000	50,000
	Total by Primary Sponsor									34,371	163,153
010025 Isavia	010025 Isavia	6940455	C	P061093	AGREEMENT DTD 2/15/19	Hansman /Robert J	02/01/19	02/29/20	38,762	109,998	71,236
	Total by Primary Sponsor									38,762	109,998
010052 Singapore-MIT Alliance for Research and Technology Centre	001139 National Research Foundation	6916220	C	P401862	MOD8	Fitzgerald /Eugene A	01/01/18	12/31/22	0	573,102	573,102
		6916222	C	P165000		Dedon /Peter C	01/01/18	12/31/22	90,638	129,848	35,566
		6916223	C	P069201		Alm /Eric J	01/01/18	12/31/22	82,516	130,350	47,834

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010052 Singapore-MIT Alliance for Research and Technology Centre		6916224	C	P402012		Chen /Jianzhu	01/01/18	12/31/22	59,471	131,608	446
		6916225	C	P069201		Lu /Timothy K	01/01/18	12/31/22	62,593	130,351	15,224
		6916226	C	P069201		Sasisekharan /Ram	01/01/18	12/31/22	147,243	157,385	758
		6916227	C	P062000		Hammond /Paula T	01/01/18	12/31/22	90,372	85,907	(23,644)
		6916228	C	P062000		Sikes Johnson /Hadley	01/01/18	12/31/22	67,759	87,005	(10,812)
		6916229	C	P165000		Dedon /Peter C	01/01/18	12/31/22	13,200	74,958	61,758
		6916232	C	P165000		Dedon /Peter C	01/01/18	12/31/22	0	0	0
		6939999	C	P267110	MOD8	Han /Jongyoon	10/01/18	12/31/22	41,725	0	(41,725)
	010052 Singapore-MIT Alliance for Research and Technology Centre	6927810	C	P165000	MOU DATED 1/21/09	Tannenbaum /Steven R	05/01/13	08/31/13	0	8,881	0
		6927811	C	P165000	MOU DATED 1/21/09	Dedon /Peter C	06/01/13	11/30/13	0	10,141	(0)
		6927812	C	P165000	MOU DATED 1/21/09	Dedon /Peter C	05/01/13	11/30/13	0	10,141	(0)
		6928004	C	P165000	MOU DATED 1/21/09	Engelward /Bevin P	06/15/13	12/31/13	0	9,815	(0)
		6928005	C	P165000	MOU DATED 1/21/09	Engelward /Bevin P	06/15/13	12/31/13	0	9,815	(0)
		6931787	C	P063007	MOU DATED 1/21/09	Thompson /Janelle Renee	03/01/15	08/31/15	0	9,157	0
		6934056	C	P267110		Han /Jongyoon	02/01/16	01/31/18	0	53,268	0
		6934969	C	P165000	MOU DATED 1/21/09	Dedon /Peter C	08/01/16	12/31/16	0	8,961	(0)
	<b>Total by Primary Sponsor</b>								<b>655,518</b>	<b>1,620,694</b>	<b>658,507</b>
010063 Masdar Institute of Science and Technology	010063 Masdar Institute of Science and Technology	6937069	G	P401801	AGREEMENT DATED OCTOBER 25, 2011	Wang /Evelyn	09/01/17	05/31/18	2,390	220,517	0
		6937712	G	P401801	AGREEMENT DATED OCTOBER 25, 2011	Kim /Jeehwan	11/01/17	05/31/18	3,720	180,526	(0)
		6937722	G	P401801	AGREEMENT DATED OCTOBER 25, 2011	Grossman /Jeffrey C.	11/01/17	05/31/18	878	37,146	(0)

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		6938845	G	P062000	AGREEMENT DATED OCTOBER 25, 2011	Barton /Paul I	06/01/18	08/31/18	10,425	14,251	0
		6938846	G	P062000		Green /William H	06/01/18	06/30/18	25,176	26,015	(0)
		6938847	G	P039000	AGREEMENT DATED OCTOBER 25, 2011	Hidalgo Ramaciotti /Cesar A.	06/01/18	10/31/18	93,709	117,243	(0)
		6938848	G	P065005	AGREEMENT DATED OCTOBER 25, 2011	Wang /Evelyn	06/01/18	08/31/19	274,725	279,483	(309)
		6938849	G	P031000	AGREEMENT DATED OCTOBER 25, 2011	Wescoat /James	06/01/18	08/31/19	115,359	115,359	(0)
		6938850	G	P065004	AGREEMENT DATED OCTOBER 25, 2011	Kim /Jeehwan	05/29/18	10/30/20	1,033,911	1,019,474	(18,531)
		6938851	G	P031000	AGREEMENT DATED OCTOBER 25, 2011	Wescoat /James	06/01/18	08/31/19	111,854	247,606	135,752
		6938852	G	P066000	AGREEMENT DATED OCTOBER 25, 2011	Fitzgerald /Eugene A	06/01/18	10/31/20	194,677	265,467	65,723
		6938853	G	P066000	AGREEMENT DATED OCTOBER 25, 2011	Grossman /Jeffrey C.	11/01/17	10/31/20	244,664	262,854	12,124
		6938854	G	P267300	AGREEMENT DATED OCTOBER 25, 2011	Leeb /Steven B	06/01/18	10/31/20	143,211	503,543	348,864
		6938855	G	P267110	AGREEMENT DATED OCTOBER 25, 2011	Perreault /David J	06/01/18	10/31/20	279,562	599,679	279,587
		6938856	G	P267500	AGREEMENT DATED OCTOBER 25, 2011	Kirtley /James L	06/01/18	10/31/20	343,153	568,419	225,266
		6938857	G	P067952	AGREEMENT DATED OCTOBER 25, 2011	Williams /Brian C	06/01/18	01/31/20	92,234	500,000	407,766
		6938858	G	P153000	AGREEMENT DATED OCTOBER 25, 2011	Marshall /John C	06/01/18	02/28/21	171,401	473,784	291,211
		Total by Primary Sponsor									3,141,050
010085 The Broad Institute, Inc.	010085 The Broad Institute, Inc.	6936358	G	P402000	6000059-5500000847	Yaffe /Michael B	01/01/17	12/31/18	3,183	276,594	(0)
		6936359	G	P402012	6000059-5500000847	Hemann /Michael	01/01/17	12/31/18	2,177	77,609	(0)
	Total by Primary Sponsor									5,360	354,203
010095 GS1	010095 GS1	6895760	C	P065005	RES. AGMT. EFF. 10/1/03	Sarma /Sanjay E	10/01/03	09/30/17	(10,515)	14,560,000	(31,837)
	Total by Primary Sponsor									(10,515)	14,560,000
010100 Siemens Corporation, Corporate	010100 Siemens Corporation, Corporate Technology	6918840	C	P320000	SIEMENS CKI MITEI SUSTAINING MEMBER AGMT. 9/30/08	Armstrong /Robert C	09/30/08	08/31/16	0	38,931	38,931

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Technology		6918841	C	P320000	MIT CKI-2008-SEI-001-TAN	Tan /Choon S	07/01/09	01/31/15	0	664,062	0
		6918842	C	P320000	MIT CKI-2008-SIEMENS ENERGY-001-HATTON	Hatton /Trevor Alan	10/01/08	09/30/10	0	609,865	0
		6918843	C	P320000	MITCKI-2008-OSRAM-001-LARSON	Larson /Kent	06/01/09	09/30/10	0	171,562	(0)
		6918844	C	P320000	MITCKI-2008-SIEMENSCT MM1-001-BAWENDI	Bawendi /Moungi G	07/01/09	05/31/11	0	135,000	0
		6918845	C	P320000	MITCKI-2009-SIEMENS HTC-001-ZAHN	Zahn /Markus	09/01/09	06/30/14	0	481,712	0
		6920884	C	P320000	MITCKI-2009-SIEMENS HTC-001-ZAHN	Zahn /Markus	09/01/09	06/30/13	0	18,101	0
		6921265	C	P320000	MITCKI-2008-SEI-002-TAN	Tan /Choon S	01/01/10	02/28/15	0	698,490	(0)
		6922702	C	P320000	MIT_CKI-2010-CTT_US-002-ANNASWAMY	Annaswamy /Anuradha M	09/01/10	12/31/11	0	150,000	0
		6922789	C	P320000	MITCKI-2010-CTT_US-003 KLEIN	Klein /Mark	09/15/10	09/30/13	0	400,000	0
		6923357	C	P320000	MITCKI-2010-OSRAM-001-LARSON	Larson /Kent	09/01/10	08/31/13	0	402,171	0
		6923471	C	P320000	MITCKI-2010_CIT_US-001 HATTON	Hatton /Trevor Alan	10/01/10	11/30/12	0	246,990	0
		6923472	C	P320000	MITCKI-2010_CIT_US-002 HATTON	Hatton /Trevor Alan	10/01/10	05/31/13	0	100,000	0
		6923473	C	P320000	MIT-CKI-2010-CTT_US-00-EPPINGER	Eppinger /Steven D	09/15/10	10/31/14	0	96,285	0
		6923711	C	P320000	MIT-CKI-2010-CTT_US-00-PERREAULT	Perreault /David J	11/01/10	06/30/12	0	70,000	0
		6924365	C	P320000	MIT-CKI-2011-ENERGY-002-PERREAULT	Perreault /David J	07/01/11	08/31/12	0	69,999	(0)
		6924613	C	P320000	SIEMENS - MIT CKI 2011 - ENERGY-001-TAN	Tan /Choon S	08/01/11	04/30/16	0	640,000	0
		6924657	C	P320000	MIT_CKI-2011-CTT_US-001-ANNASWAMY	Annaswamy /Anuradha M	09/01/11	12/31/12	0	100,000	0
		6925528	C	P320000	MIT_CKI-2012-ENERGY-001 FRAZZOLI	Frazzoli /Emilio	02/01/12	01/31/15	0	169,247	0
		6926576	C	P320000	MITCKI-2012-ENERGY-001-TAN	Tan /Choon S	07/01/12	04/30/15	0	225,000	(0)
		6926577	C	P320000	MITCKI-2012-ENERGY-001-GHONIEM	Ghoniem /Ahmed F	09/01/12	12/31/14	0	330,000	0

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		6928114	C	P320000	MIT-SIEMENS-CKI-2012-ENERGY-001-RUDIN	Rudin /Cynthia	06/01/13	08/31/16	0	350,000	(0)
		6934648	C	P067952	MIT_CKI-2016-CT-001-SH ROBE	Shrobe /Howard E	09/01/16	05/31/18	0	65,000	62,227
		6934776	G	P063007	ADDENDUM ID MIT_CKI-2016-CT-001-WIL	Williams /John R	09/01/16	12/31/18	61,744	180,000	(2)
		6934788	C	P067952	MIT_CKI-2016-CT-001-SH ROBE	Shrobe /Howard E	09/01/16	05/31/18	0	45,000	335
		6937230	C	P067952	MIT_CKI-2017-CT-001-JAA KKOLA	Jaakkola /Tommi S	09/01/17	09/30/19	118,970	200,000	24,936
		6939329	C	P061096	MIT_CKI-2018-CT-001-TAN	Tan /Choon S	07/15/18	08/31/19	107,772	140,000	32,228
		6939409	C	P067952	MIT_CKI-2018-CT-001-SOLAR-LEZAMA	Solar Lezama /Armando	06/01/18	05/31/19	185,905	170,000	(15,905)
		6939460	C	P065004	MIT_CKI-2018-CT-001-ANNASWAMY	Annaswamy /Anuradha M	08/15/18	08/31/19	14,386	50,000	35,614
		6939694	C	P067952	MIT_CKI-2018-CT-001-SOLAR-LEZAMA	Matusik /Wojciech	06/01/18	12/31/18	76,107	90,000	13,893
		<b>Total by Primary Sponsor</b>							<b>564,885</b>	<b>7,107,415</b>	<b>192,257</b>
010109 SAP Labs LLC	010109 SAP Labs LLC	6935704	G	P061901	PO 4503664606/AGMT EFL	Sontag /David Alexander	06/01/17	08/31/19	142,968	399,937	111,444
		<b>Total by Primary Sponsor</b>							<b>142,968</b>	<b>399,937</b>	<b>111,444</b>
010138 Sidney Kimmel Foundation for Cancer Research	010138 Sidney Kimmel Foundation for Cancer Research	6934241	G	P402000		Yilmaz /Omer	07/01/16	01/01/19	6,438	200,468	0
		<b>Total by Primary Sponsor</b>							<b>6,438</b>	<b>200,468</b>	<b>0</b>
010188 Int'l Initiative for Impact Evaluation-3ie Foundation	006120 Harvard University	6937176	G	P091020	200482-5100035	Olken /Benjamin	03/14/17	09/30/19	26,111	78,228	52,007
		<b>Total by Primary Sponsor</b>							<b>26,111</b>	<b>78,228</b>	<b>52,007</b>
010193 Phillip T. and Susan M. Ragon Foundation	006570 Massachusetts General Hospital	6919709	G	P402010	MGH INTERNAL FUND #220568	Irvine /Darrell J	01/01/08	12/31/19	312,708	3,254,500	153,146
		6919760	G	P062000	MGH INTERNAL FUND #220568	Chakraborty /Arup K	01/01/08	12/31/19	408,076	3,208,500	164,412
		6935037	G	P061901	226618	Bhatia /Sangeeta N	08/01/16	07/31/18	0	90,000	33
	010193 Phillip T. and Susan M. Ragon Foundation	6938654	G	P061901	23117 - SAMUEL KAZER	Shalek /Alexander K	09/01/17	05/31/18	13,040	29,319	(0)
	<b>Total by Primary Sponsor</b>								<b>733,825</b>	<b>6,582,319</b>	<b>317,591</b>

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010206 Terra Power, LLC	010206 Terra Power, LLC	6935769	C	P068000	RESEARCH AGREEMENT DTD 8/1/10	Baglietto /Emilio	01/01/17	03/14/19	99,871	263,519	(0)
	<b>Total by Primary Sponsor</b>								<b>99,871</b>	<b>263,519</b>	<b>(0)</b>
010230 Shire Pharmaceuticals	010230 Shire Pharmaceuticals	6928859	C	P402000	AGMT. DTD. 3/15/07	Anderson /Daniel Griffith	11/01/13	10/31/16	0	3,012,283	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>3,012,283</b>	<b>0</b>
010247 EDF, Inc.	010247 EDF, Inc.	6919802	C	P320000	EDF MITEI ASSOCIATE MEMBERSHIP AGT 5/28/09	Armstrong /Robert C	05/28/09	03/31/15	0	79,279	54,279
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>79,279</b>	<b>54,279</b>
010293 Shandong University	010293 Shandong University	6920143	C	P159900	SHANDONG UNIV-MIT COLLAB. AGR. 10/10/08	Ting /Samuel	10/10/08	12/31/20	0	797,268	0
		6929234	C	P159900	SHANDONG UNIV-MIT COLLAB. AGR. 10/10/08	Ting /Samuel	11/01/13	12/31/20	76,272	1,502,717	394,595
	<b>Total by Primary Sponsor</b>								<b>76,272</b>	<b>2,299,985</b>	<b>394,595</b>
010301 Japan Manned Space Systems Corporation	010301 Japan Manned Space Systems Corporation	6936794	C	P061093	AGMT EFF. DATE 7/1/17	Leveson /Nancy G	07/01/17	02/15/18	(23)	55,000	0
		6939708	C	P061093	AGMT DTD 10/1/18	Leveson /Nancy G	10/01/18	03/22/19	45,240	45,240	0
	<b>Total by Primary Sponsor</b>								<b>45,218</b>	<b>100,240</b>	<b>0</b>
010304 Universitet i Oslo	010304 Universitet i Oslo	6938787	G	P154500		Gibson /Edward A	07/01/18	02/28/19	53,474	50,000	(3,474)
		6940970	G	P154500	AGMT DTD 05/24/19	Sinha /Pawan	11/01/18	06/30/19	36,574	36,574	0
	<b>Total by Primary Sponsor</b>								<b>90,048</b>	<b>86,574</b>	<b>(3,474)</b>
010315 Lustgarten Foundation	010315 Lustgarten Foundation	6931488	G	P402000	AWARD LTR DATED 12/22/2014	Jacks /Tyler E	01/01/15	12/31/15	(460)	345,887	0
		6931537	G	P402000	AGREEMENT DATED 1/30/2015	Muzumdar /Mandar	01/01/15	12/31/18	0	0	0
		6931538	G	P402000	AGREEMENT DATED 1/30/2015	Muzumdar /Mandar	01/01/15	12/31/15	0	119,922	0
		6933532	G	P402000	AGREEMENT DATED 1/30/2015	Muzumdar /Mandar	01/01/16	12/31/16	0	137,767	0
		6934981	G	P402000	2016 RESEARCH INVESTIGATOR	Vander Heiden /Matthew G.	04/01/16	04/01/20	267,650	935,888	9,057
		6935261	G	P402000	2016 RESEARCH INVESTIGATOR	Vander Heiden /Matthew G.	04/01/16	04/01/20	76,823	285,000	84,622

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		6935262	G	P402000	2016 RESEARCH INVESTIGATOR	Vander Heiden /Matthew G.	04/01/16	04/01/20	5,369	40,000	14,318
		6935580	G	P402000	TBD	Jacks /Tyler E	01/01/17	12/31/18	3,324	499,717	0
		6935581	G	P402000	TBD	Jacks /Tyler E	01/01/17	12/31/18	8,296	14,083	0
		6935582	G	P402000	AGREEMENT DATED 1/30/2015	Muzumdar /Mandar	01/01/17	12/31/18	578	147,056	0
		6938967	G	P402000	DEDICATED LAB AWARD 2018	Jacks /Tyler E	07/01/18	07/31/23	772,128	1,000,000	227,872
	<b>Total by Primary Sponsor</b>								<b>1,133,707</b>	<b>3,525,320</b>	<b>335,869</b>
010327 Charles H Hood Foundation	010327 Charles H. Hood Foundation	6937850	G	P400600	AGMT. DTD. 12/15/2017	Feng /Guoping	01/01/18	12/31/19	318,209	450,000	47,780
		6938907	G	P418101	AGT DATED 6/15/18	Calo Velazquez /Eliezer	07/01/18	06/30/19	125,424	105,825	(19,599)
		6941064	G	P061901	AWARD DATED 7/1/19	Roche /Ellen	07/01/19	06/30/21	0	82,500	82,500
	<b>Total by Primary Sponsor</b>								<b>443,633</b>	<b>638,325</b>	<b>110,681</b>
010341 RMC Research and Education Foundation	010341 RMC Research and Education Foundation	6920803	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	08/31/19	261,517	2,500,000	7,906
		6920807	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	02/28/12	0	750,000	(0)
		6921165	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/09	08/31/14	0	1,875,000	0
		6924982	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/11	08/31/14	0	1,125,000	(0)
		6930774	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/14	08/31/19	279,459	1,500,000	55,890
		6930777	C	P063075	MASTER RESEARCH AGREEMENT 09/1/2009	Ulm /Franz-Josef	09/01/14	08/31/19	367,245	2,220,810	138,634
	<b>Total by Primary Sponsor</b>								<b>908,221</b>	<b>9,970,810</b>	<b>202,430</b>
010361 Exelon Corporation	010361 Exelon Corporation	6935259	C	P320102	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	10/01/16	09/30/19	161,962	645,435	188,627
		6935370	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Ghoniem /Ahmed F	11/01/16	10/31/19	316,917	1,185,890	457,912
		6935371	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Short /Michael P	01/01/17	12/31/19	616,283	1,041,667	(19,296)
		6935594	C	P320102	AGREEMENT EFFECTIVE 4/1/16	Li /Ju	10/01/16	09/30/19	234,358	655,071	240,015

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		6935595	C	P320102	AGREEMENT EFFECTIVE 4/1/16	Tasan /Cemal	10/01/16	09/30/19	179,573	655,070	227,140
		6935774	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	11/01/16	10/31/19	248,288	728,218	79,745
		6935968	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	01/01/17	12/31/19	155,084	625,000	352,415
		6935969	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Bucci /Matteo	01/01/17	12/31/19	254,171	625,000	59,826
		6935970	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Wang /Evelyn	01/01/17	12/31/19	227,661	625,000	44,094
		6935971	C	P264000	AGREEMENT EFFECTIVE 4/1/16	Hu /Lin-Wen	01/01/17	12/31/19	534,767	786,561	46,226
		6936682	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	06/01/17	10/31/19	0	5,278	0
		6936940	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Reinhart /Christoph	07/01/17	06/30/20	131,159	270,000	(30,580)
		6937136	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Grossman /Jeffrey C.	07/01/17	06/30/20	694,714	844,412	(128,543)
		6938066	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Katabi /Dina	12/01/17	11/30/20	289,462	800,000	510,538
		6938300	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Forsberg /Charles W	01/01/18	12/31/20	137,287	300,000	110,038
		6938546	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Ghoniem /Ahmed F	05/01/18	08/31/18	612	8,340	0
		6938746	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	03/16/18	04/08/19	8,145	16,504	718
		6939015	C	P320102	AGREEMENT EFFECTIVE 4/1/16	Yildiz /Bilge	06/01/18	10/01/18	9,638	9,638	0
		6939554	C	P264000	AGREEMENT EFFECTIVE 4/1/16	Hu /Lin-Wen	08/01/18	12/31/18	46,772	46,772	0
		6940271	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Katabi /Dina	02/01/19	11/30/20	31,928	100,000	68,072
		6940348	C	P320106	AGREEMENT EFFECTIVE 4/1/16	Ghoniem /Ahmed F	02/27/19	06/01/19	12,892	12,892	0
		6940510	C	P320000	AGREEMENT EFFECTIVE 4/1/16	Leeb /Steven B	06/01/19	05/31/22	5,884	0	(5,884)
	<b>Total by Primary Sponsor</b>								<b>4,297,556</b>	<b>9,986,747</b>	<b>2,201,063</b>
010379 ENEL Ingegneria e Innovazione S.p.A	010379 ENEL Ingegneria e Innovazione S.p.A	6918390	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Armstrong /Robert C	03/12/08	12/31/17	28,971	63,021	34,050

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		6918391	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Toksoz /M. Nafi	06/01/08	05/31/11	0	0	0
		6918392	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Mitsos /Alexander	09/01/08	06/30/13	0	380,028	0
		6918393	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Ghoniem /Ahmed F	11/01/08	03/31/13	0	799,814	(0)
		6918394	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Sclavounos /Paul D	12/01/08	08/31/12	0	270,000	0
		6918395	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08 RPP 11/13/09	Fisher /Peter H	12/01/09	01/31/13	0	56,660	0
		6918396	C	P320000	MASTER AGREEMENT	Herzog /Howard J	07/01/09	12/31/13	0	131,923	0
		6918398	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08 RPP 11/13/09	Buongiorno /Jacopo	09/01/10	03/31/13	0	295,000	(0)
		6919633	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Toksoz /M. Nafi	09/30/08	05/31/11	0	150,000	(0)
		6921276	C	P065005	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Mitsos /Alexander	11/01/08	12/31/12	0	204,242	(0)
		6921589	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08 RPP 11/13/09	Fisher /Peter H	02/01/10	06/30/12	0	25,102	0
		6924865	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	O'Sullivan /Francis Martin	09/01/11	08/31/12	0	99,973	(0)
		6928714	C	P320000	ENEL MITEI SUSTAINING MEMBER AGT. 3/12/08	Connors /Stephen Robert	03/11/13	03/31/14	0	150,017	0
		Total by Primary Sponsor									28,971
010419 Vodafone Americas Foundation	010419 Vodafone Americas Foundation	6932980	G	P440108	LETTER DATED 5/29/2015	Fletcher /Richard R	11/01/15	12/31/19	23,476	99,960	(1,353)
	Total by Primary Sponsor									23,476	99,960
010449 Singapore University of Technology and Design	010449 Singapore University of Technology and Design	6921538	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	01/25/10	06/30/20	0	97,115	97,115
		6922069	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	01/25/10	03/31/11	0	255,596	0
		6922070	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/11	0	49,717	0
		6922071	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	01/25/10	03/31/11	0	402,999	(0)
		6922072	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Vandiver /John Kim	01/25/10	04/30/11	0	354,150	(0)

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		6922073	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	01/25/10	03/31/11	0	188,827	0
		6922074	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	01/25/10	03/31/11	0	13,873	(0)
		6922075	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	01/25/10	03/31/11	0	174,969	0
		6922076	C	P067952	COLLABORATION AGREEMENT DATED 1/25/2010	Kaelbling /Leslie P	01/25/10	03/31/11	0	96,804	(0)
		6922077	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	01/25/10	03/31/11	0	56,145	0
		6922078	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Silbey /Susan S	01/25/10	03/31/11	0	40,721	0
		6922260	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	06/01/10	03/31/11	0	13,217	0
		6922516	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Patera /Anthony T	01/25/10	03/31/11	0	41,588	(0)
		6923652	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	290,730	0
		6923653	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/11	03/31/12	0	248,633	0
		6923654	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/11	03/31/12	0	140,779	0
		6923655	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Vandiver /John Kim	04/01/11	03/31/12	0	274,953	0
		6923656	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	236,571	0
		6923657	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/11	03/31/12	0	78,888	(0)
		6923658	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/11	03/31/12	0	177,155	(0)
		6923659	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	167,152	0
		6923660	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/11	03/31/12	0	74,758	0
		6923661	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Silbey /Susan S	04/01/11	03/31/12	0	176,417	0
		6923663	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	02/29/12	0	0	0
		6923664	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Goulthorpe /Mark	04/01/11	03/31/12	0	109,534	0

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		6923665	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Hunter /Ian	04/01/11	03/31/12	0	256,284	0
		6923666	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Jones /Graham M	04/01/11	03/31/12	0	30,239	(0)
		6923876	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Patera /Anthony T	04/01/11	03/31/12	0	34,549	0
		6924015	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	0	0
		6924210	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/11	03/31/12	0	197,463	(0)
		6924347	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	08/01/11	03/31/12	0	55,849	0
		6924381	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	05/01/11	03/31/12	0	17,063	0
		6925456	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/12	03/31/13	0	39,072	(0)
		6925457	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/11	03/31/13	0	152,563	0
		6925458	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/11	08/31/12	0	8,392	(0)
		6925459	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/11	03/31/13	0	74,112	0
		6925460	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Hunter /Ian	04/01/11	04/30/13	0	389,153	0
		6925461	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/11	03/31/13	0	41,984	0
		6925462	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Vandiver /John Kim	04/01/12	03/31/13	0	221,767	0
		6925463	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/12	03/31/13	0	116,035	(0)
		6925464	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/12	03/31/13	0	103,849	0
		6925465	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Patera /Anthony T	04/01/12	03/31/13	0	48,723	0
		6925466	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/12	03/31/13	0	136,819	0
		6925467	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/12	03/31/13	0	82,418	0
		6925468	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kaelbling /Leslie P	04/01/12	03/31/13	0	157,730	0



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		6925469	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Maes /Patricia	04/01/12	03/31/13	0	91,272	(0)
		6925470	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/12	03/31/13	0	50,401	0
		6925471	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Silbey /Susan S	04/01/12	03/31/13	0	145,994	0
		6926357	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/12	03/31/13	0	18,536	0
		6926957	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/13	03/31/14	0	59,809	(0)
		6926958	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	220,923	0
		6926959	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	154,159	0
		6926960	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	164,007	(0)
		6926961	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	267,253	0
		6926962	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	47,514	0
		6926963	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	128,576	0
		6926964	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/13	03/31/14	0	130,100	(0)
		6926966	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	130,909	0
		6926967	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	09/30/13	0	36,117	(0)
		6926968	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	129,934	0
		6926969	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	116,009	0
		6926970	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	01/31/14	0	130,000	0
		6927689	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	26,513	0
		6927690	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	27,847	0
		6927970	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	58,318	(0)

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		6927971	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	56,658	(0)
		6928031	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	22,366	(0)
		6928032	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	37,151	0
		6928033	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	04/01/13	03/31/14	0	81,156	0
		6928925	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Tibbits /Skylar	04/01/13	03/31/14	0	58,164	0
		6928926	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Nagakura /Takehiko	04/01/13	03/31/14	0	38,372	0
		6929576	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	59,297	(0)
		6929577	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	183,206	0
		6929578	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	115,399	0
		6929579	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	33,000	0
		6929580	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	72,107	(0)
		6929581	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	12,424	(18)
		6929582	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	198,664	0
		6929583	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	40,001	(0)
		6929584	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	39,525	0
		6929585	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	13,236	79
		6929586	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	168,661	0
		6929587	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	197,156	(0)
		6929588	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	02/28/15	0	35,740	0
		6929589	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	131,453	0

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		6929590	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	24,475	(0)
		6929591	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	139,021	(0)
		6929592	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	30,400	0
		6929593	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	159,518	0
		6929594	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	151,756	0
		6929595	C	P414000	COLLABORATION AGREEMENT DATED	Fernandez /John	01/25/10	03/31/15	0	73,860	0
		6929596	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	129,356	(0)
		6929597	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	03/31/15	0	39,950	0
		6929598	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	01/25/10	02/28/15	0	109,156	0
		6929628	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Frey /Daniel	01/01/14	03/31/14	0	8,534	0
		6929675	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/14	12/31/14	0	20,000	0
		6930864	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/14	03/31/15	0	25,850	0
		6931569	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	57,971	57,971
		6931570	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	198,069	0
		6931571	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	195,126	(154)
		6931572	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	213,220	(0)
		6931573	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	236,426	0
		6931574	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	198,485	(0)
		6931575	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kim /Sang-Gook	04/01/15	04/30/16	0	204,081	(0)
		6931576	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	178,233	(0)

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		6931577	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	124,775	0
		6931578	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	178,439	0
		6931627	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	82,054	0
		6931628	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	47,982	0
		6931629	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	34,989	0
		6931630	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fernandez /John	04/01/15	03/31/16	0	31,950	0
		6933747	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Nagakura /Takehiko	04/01/16	04/12/17	0	192,739	0
		6933748	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	201,152	(0)
		6933749	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	198,641	0
		6933750	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	191,846	(0)
		6933751	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	178,083	0
		6933752	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Kim /Sang-Gook	04/01/16	04/28/17	0	199,989	0
		6933753	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	05/10/17	0	200,000	(0)
		6933754	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	78,680	0
		6933755	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Brisson /John G	04/01/16	03/31/17	0	184,187	0
		6933756	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Short /Michael P	04/01/16	03/31/17	0	86,437	0
		6933757	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Yang /Maria	04/01/16	03/31/17	0	75,000	0
		6933758	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Jackson /Daniel	04/01/16	03/31/17	0	74,967	0
		6933759	C	P414000	COLLABORATION AGMT DTD 1/25/2010	Magee /Christopher L	04/01/16	03/31/17	0	75,813	0
		6935838	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Nagakura /Takehiko	04/01/17	04/06/18	0	200,000	(0)

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		6935839	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/17	03/31/18	0	268,109	0
		6935840	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/17	03/31/18	0	200,000	(0)
		6935841	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/17	04/30/18	0	200,036	0
		6935842	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/17	03/31/18	0	221,801	0
		6935843	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kim /Sang-Gook	04/01/17	03/31/18	0	198,175	0
		6935844	C	P414000	COLLABORATION AGREEMENT DATED	de Neufville /Richard L	04/01/17	03/31/18	0	199,370	0
		6935845	C	P414000	COLLABORATION AGREEMENT DATED	Fischer /Michael M. J.	04/01/17	03/31/18	0	166,833	0
		6935846	C	P414000	COLLABORATION AGREE	Brisson /John G	04/01/17	04/30/18	0	282,926	(0)
		6935847	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Short /Michael P	04/01/17	03/31/18	0	0	0
		6935848	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Yang /Maria	04/01/17	04/30/18	0	74,705	(0)
		6935849	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Jackson /Daniel	04/01/17	03/31/18	0	74,073	0
		6935850	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/17	04/30/18	0	97,818	0
		6937127	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Short /Michael P	04/01/17	01/01/18	0	75,923	0
		6937492	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Nagakura /Takehiko	04/01/18	04/08/19	145,016	197,824	0
		6937731	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/18	03/31/19	204,696	256,526	0
		6937732	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/18	04/08/19	171,740	198,193	0
		6937733	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/18	03/31/19	137,036	198,390	0
		6937734	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/18	03/31/19	129,713	200,014	0
		6937735	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kim /Sang-Gook	04/01/18	03/31/19	157,219	201,206	0
		6937736	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	de Neufville /Richard L	04/01/18	03/31/19	143,951	199,994	0
		6937737	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fischer /Michael M. J.	04/01/18	03/31/19	141,790	150,455	(0)

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		6937738	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/18	04/08/19	66,955	96,754	0
		6937739	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Short /Michael P	04/01/18	03/31/19	71,891	75,209	(0)
		6937740	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Yang /Maria	04/01/18	03/31/19	64,857	74,991	0
		6937741	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Jackson /Daniel	04/01/18	03/31/19	57,691	74,720	0
		6937742	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/18	03/31/19	112,312	131,523	0
		6938791	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/18	03/31/19	7,750	7,750	0
		6939639	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mueller /Stefanie	07/01/18	03/31/19	47,650	47,650	0
		6940434	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	06/30/20	0	0	0
		6940435	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	06/30/20	23,828	58,723	34,895
		6940436	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Nagakura /Takehiko	04/01/19	05/31/20	41,071	200,000	158,929
		6940437	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Magee /Christopher L	04/01/19	05/31/20	47,919	270,000	222,081
		6940438	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Mazereeuw /Miho	04/01/19	05/31/20	28,280	200,000	171,720
		6940439	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Willcox /Karen E	04/01/19	05/31/20	41,557	200,000	158,443
		6940440	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Sass /Lawrence	04/01/19	05/31/20	30,099	200,000	169,901
		6940441	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Kim /Sang-Gook	04/01/19	05/31/20	17,748	200,000	182,252
		6940442	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Fischer /Michael M. J.	04/01/19	05/31/20	15,657	200,000	184,343
		6940443	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	05/31/20	4,648	75,000	70,352
		6940444	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	05/31/20	17,384	75,000	57,616
		6940445	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	05/31/20	22,858	75,000	52,142
		6940446	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	05/31/20	4,762	75,000	70,238

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		6940447	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	05/31/20	0	75,000	75,000
		6940448	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	06/30/20	3,855	64,000	60,145
		6940449	C	P414000	COLLABORATION AGREE	de Neufville /Richard L	04/01/19	05/31/20	56,582	200,000	143,418
		6940499	C	P067952	AGREEMENT DTD. 05/23/2019	Rus /Daniela L	07/01/19	06/30/22	0	1,050,000	1,050,000
		6940521	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	06/30/20	808	10,000	9,192
		6940522	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	06/30/20	723	15,000	14,277
		6940523	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	06/30/20	0	10,000	10,000
		6940524	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	06/30/20	5,141	5,000	(141)
		6940525	C	P414000	COLLABORATION AGREEMENT DATED 1/25/2010	Brisson /John G	04/01/19	06/30/20	0	5,000	5,000
		6941031	C	P067952	AGREEMENT DTD. 05/23/2019	Kaelbling /Leslie P	07/01/19	06/30/22	0	100,000	100,000
	<b>Total by Primary Sponsor</b>								<b>2,023,185</b>	<b>22,218,183</b>	<b>3,154,796</b>
010466 Weatherford International Ltd.	010466 Weatherford International Ltd.	6921705	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Armstrong /Robert C	04/01/10	06/14/16	0	294,533	294,533
		6923406	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Sadoway /Donald Robert	02/01/11	11/30/12	0	249,643	0
		6925033	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Kong /Jing	11/01/11	05/31/13	0	199,936	0
		6925034	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Ram /Rajeev J	10/15/11	06/30/15	0	317,152	0
		6925035	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	O'Sullivan /Francis Martin	11/01/11	02/28/15	0	219,853	0
		6925036	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Fehler /Michael C	10/01/11	06/14/16	0	1,484,539	(0)
		6925155	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Hager /Bradford H	04/01/11	03/31/15	0	175,000	0
		6925170	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Bazant /Martin Z	10/01/11	08/31/13	0	300,000	(0)
		6925224	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Ram /Rajeev J	12/01/11	12/31/12	0	3,715	0

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		6928456	C	P320000	WEATHERFORD-MITEI SUSTAINING MEMBER AGR APRIL 1 2010	Ram /Rajeev J	08/15/13	12/31/14	0	5,629	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>3,250,000</b>	<b>294,533</b>
010479 The Deshpande Foundation	010479 The Deshpande Foundation	6934709	G	P267111	DESHPANDE MOU	Gray /Martha L	09/01/16	08/31/18	14,996	175,000	0
	999903 MIT - Deshpande Center	6934678	G	P069201	DESHPANDE MOU	Blainey /Paul C	09/01/16	08/31/19	51,812	136,814	50,959
	<b>Total by Primary Sponsor</b>								<b>66,807</b>	<b>311,814</b>	<b>50,959</b>
010480 Sanofi-Aventis S.A.	010480 Sanofi-Aventis S.A.	6937233	C	P062000	AGREEMENT DATED 9-11-2017	Trout /Bernhardt L	10/01/17	09/10/19	103,197	204,027	6,438
	<b>Total by Primary Sponsor</b>								<b>103,197</b>	<b>204,027</b>	<b>6,438</b>
010487 ArcelorMittal Isbergues Research Center	010487 ArcelorMittal Isbergues Research Center	6939268	C	P065004	PO 6085701932	Hart /Anastasios John	07/01/18	12/31/19	105,561	222,419	116,858
		6940508	C	P065004	PO 6085701932	Hart /Anastasios John	02/22/19	12/31/19	0	14,371	14,371
		6940509	C	P065004	PO 6085701932	Hart /Anastasios John	02/21/19	12/31/19	13,629	10,260	(3,369)
		6940688	C	P065004	PO 6085701932	Hart /Anastasios John	04/29/19	12/31/19	1,475	22,950	21,475
	<b>Total by Primary Sponsor</b>								<b>120,664</b>	<b>270,000</b>	<b>149,336</b>
010509 GS1 US	010509 GS1 US	6937845	C	P065005	AGMT DTD. 12/21/2017	Sarma /Sanjay E	12/21/17	12/20/22	14,529	0	(14,808)
		6937905	C	P065005	AGMT DTD. 12/21/2017	Sarma /Sanjay E	07/01/17	06/30/18	20,609	580,000	(17,996)
		6939445	C	P065005	AGMT DTD. 12/21/2017	Sarma /Sanjay E	06/01/18	06/30/19	604,634	580,000	(24,634)
	<b>Total by Primary Sponsor</b>								<b>639,772</b>	<b>1,160,000</b>	<b>(57,438)</b>
010514 Merrimack Pharmaceuticals	010514 Merrimack Pharmaceuticals	6932315	C	P069201	SRA 20150716	Lauffenburger /Douglas A	07/01/15	01/31/19	24,822	279,886	(0)
	<b>Total by Primary Sponsor</b>								<b>24,822</b>	<b>279,886</b>	<b>(0)</b>
010529 Sanofi US Service Inc	010529 Sanofi US Service Inc	6929032	C	P402010	PURCHASE ORDER 4700068946	Love /John C	11/18/13	11/16/18	115,791	694,567	(0)
		6939830	C	P067952	PO# E001742173	Katabi /Dina	02/08/19	11/07/19	0	57,000	57,000



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	<b>Total by Primary Sponsor</b>								<b>115,791</b>	<b>751,567</b>	<b>57,000</b>
010572 BP Exploration Operating Company Limited	010572 BP Exploration Operating Company Limited	6927045	C	P068000	GPTL/BPX/DP/69839(5)	Yildiz /Bilge	10/01/12	11/30/17	769	578,054	(0)
	<b>Total by Primary Sponsor</b>								<b>769</b>	<b>578,054</b>	<b>(0)</b>
010577 The Pew Charitable Trusts	010577 The Pew Charitable Trusts	6934842	G	P095500	CONTRACT ID #29759	Stewart /Charles H	09/14/16	09/13/17	0	869	0
		6934843	G	P095500	CONTRACT ID #29759	Stewart /Charles H	09/14/16	09/13/17	0	133,983	0
		6939175	G	P402000	32024	Birnbaum /Michael E	02/12/19	07/31/23	11,156	300,000	288,844
		6939289	G	P061901	00032027	Shalek /Alexander K	02/12/19	07/31/23	18,942	300,000	281,058
	<b>Total by Primary Sponsor</b>								<b>30,098</b>	<b>734,852</b>	<b>569,902</b>
010593 Smith Family Awards Program for Excellence in Biomedical Research	010593 Smith Family Awards Program for Excellence in Biomedical Research	6933148	G	P152000	AGMT. DTD. 11/18/15	Schlau-Cohen /Gabriela S	12/01/15	05/31/19	65,129	301,973	(699)
		6935359	G	P151073	AGMT DATED 12/01/2016	Li /Gene-Wei	02/01/17	01/31/20	103,516	302,483	61,690
		6939986	G	P061901	AGREEMENT DATED 12/1/2018	Lieberman /Tami Danielle	12/01/18	11/30/21	38,899	100,000	61,101
	<b>Total by Primary Sponsor</b>								<b>207,544</b>	<b>704,456</b>	<b>122,092</b>
010600 NP Org Fund for Dev of Center for Elab & Comm of New Tech	009904 MIT - Internal	6935817	G	P067952	AGMT NO 60107/08012/0006-2015	Solomon /Justin	02/01/17	01/31/18	0	75,000	(0)
		6935818	G	P068700	AGMT NO 60107/08012/0006-2015	Polyanskiy /Yury	02/01/17	01/31/18	0	74,905	0
		6935819	G	P067952	AGMT NO 60107/08012/0006-2015	Madry /Aleksander	02/01/17	02/28/19	60,753	149,699	0
		6935820	G	P267500	AGMT NO 60107/08012/0006-2015	Stultz /Collin M	02/01/17	01/31/19	12,389	75,083	(0)
		6935821	G	P067952	AGMT NO 60107/08012/0006-2015	Mueller /Stefanie	02/01/17	01/31/18	0	74,912	(0)
		6935822	G	P151065	AGMT NO 60107/08012/0006-2015	Boyer /Laurie Ann	02/01/17	02/28/19	65,041	149,986	0
		6935823	G	P066000	AGMT NO 60107/08012/0006-2015	Jaramillo /Rafael	02/01/17	02/28/19	53,668	149,894	0
		6935824	G	P159600	AGMT NO 60107/08012/0006-2015	Katsavounidis /Erotokritos	02/01/17	02/28/19	8,029	42,355	(0)

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		6935825	G	P159400	AGMT NO 60107/08012/0006-2015	Paltsev /Sergey	02/01/17	02/28/19	71,151	150,000	0
		6935826	G	P402010	AGMT NO 60107/08012/0006-2015	Wittrup /Karl Dane	02/01/17	02/28/19	17,148	150,121	(0)
		6937417	G	P152000	AGMT NO 60107/08012/0006-2015	Zhang /Bin	09/01/17	02/28/19	15,885	50,067	0
		6937418	G	P152000	AGMT NO 60107/08012/0006-2015	Suess /Daniel Leif Migdow	09/01/17	02/28/19	27,973	49,999	(0)
		6937419	G	P093800	AGMT NO 60107/08012/0006-2015	Parks /Lisa	09/01/17	02/28/19	826	75,000	(0)
		6937420	G	P068000	AGMT NO 60107/08012/0006-2015	Li /Mingda	08/01/17	02/28/19	94,592	200,017	(0)
		6937421	G	P165000	AGMT NO 60107/08012/0006-2015	Essigmann /John M	09/01/17	02/28/19	72,256	75,046	0
		6937427	G	P066000	AGMT NO 60107/08012/0006-2015	Tasan /Cemal	09/01/17	02/28/19	34,292	75,000	(0)
		6937428	G	P039000	AGMT NO 60107/08012/0006-2015	Hidalgo Ramaciotti /Cesar A.	09/01/17	02/28/19	13,071	75,000	0
		6937429	G	P069400	AGMT NO 60107/08012/0006-2015	Magee /Christopher L	09/01/17	08/31/18	14,964	74,971	(0)
		6937430	G	P065004	AGMT NO 60107/08012/0006-2015	Hart /Douglas	09/01/17	12/31/18	27,378	75,395	(0)
		6937431	G	P066000	AGMT NO 60107/08012/0006-2015	Rupp /Jennifer Lilia Marguerit	09/01/17	08/31/18	14	70,360	0
		6937432	G	P151062	AGMT NO 60107/08012/0006-2015	Laub /Michael T	09/01/17	01/31/19	8,476	75,000	(0)
		6937433	G	P069850	AGMT NO 60107/08012/0006-2015	Comin /Riccardo	09/01/17	02/28/19	25,439	75,000	(0)
		6937434	G	P065005	AGMT NO 60107/08012/0006-2015	Seering /Warren Paul	09/01/17	08/31/18	25,740	75,000	0
		6937435	G	P065005	AGMT NO 60107/08012/0006-2015	Zhao /Xuanhe	09/01/17	08/31/18	14,582	74,941	0
		6937436	G	P062000	AGMT NO 60107/08012/0006-2015	Smith /Zachary P	09/01/17	08/31/18	10,435	75,022	0
		6938448	G	P067952	AGMT NO 60107/08012/0006-2015	Mueller /Stefanie	03/01/18	02/28/19	47,008	76,197	(0)
		6938449	G	P093400	AGMT NO 60107/08012/0006-2015	Wood /Elizabeth A	03/01/18	02/28/19	68,948	68,948	(0)
		6938450	G	P068000	AGMT NO 60107/08012/0006-2015	Short /Michael P	03/01/18	02/28/19	71,212	71,212	0

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		6938451	G	P068000	AGMT NO 60107/08012/0006-2015	Yildiz /Bilge	03/01/18	02/28/19	57,887	74,976	0
		6938452	G	P039000	AGMT NO 60107/08012/0006-2015	Oxman /Neri	02/29/16	02/28/19	65,374	75,000	(0)
		6938453	G	P154000	AGMT NO 60107/08012/0006-2015	Rigollet /Philippe	03/01/18	02/28/19	73,676	73,676	0
		6938511	G	P267500	AGMT NO 60107/08012/0006-2015	Stultz /Collin M	03/01/18	02/28/19	74,910	74,910	(0)
		6938548	G	P267100	AGMT NO 60107/08012/0006-2015	Cappellaro /Paola	03/01/18	02/28/19	28,540	74,743	(0)
		6940131	G	P417200	AGMT NO 60107/08012/0006-2015	Bulovic /Vladimir	03/01/18	02/28/19	295,000	295,000	0
	010600 NP Org Fund fo Dev of Center for Elab & Comm of New Tech	6935042	C	P154000	AGMT NO 60107/08012/0006-2015	Demanet /Laurent	11/01/16	10/31/18	32,096	150,014	0
		6935518	C	P067952	AGMT NO 60107/08012/0006-2015	Tidor /Bruce	01/01/17	02/28/19	145,366	402,807	(0)
Total by Primary Sponsor									1,634,121	3,725,259	(0)
010615 Pontificia Universidad Catolica de Chile	010615 Pontificia Universidad Catolica de Chile	6938991	C	P035000	MOU DATED 1/1/2017	Zegras /Pericles C	01/01/17	05/01/19	0	0	0
		6938992	C	P035000	MOU DATED 1/1/2017	Zegras /Pericles C	01/01/17	05/01/19	139,836	160,000	20,164
	Total by Primary Sponsor									139,836	160,000
010624 Eisai Co., Ltd.	010624 Eisai Co., Ltd.	6938506	C	P165000	PO # 4300075544	Cirit /Murat	05/01/18	12/31/18	50,474	64,452	0
	Total by Primary Sponsor									50,474	64,452
010625 BP International Limited	007016 BP Technology Ventures Inc.	6923286	C	P320000	RES. AGMT. EFF. 9/1/06 / PAYKEY ZCOCKAJ123	Marzouk /Youssef M	06/01/11	12/31/15	0	335,993	0
		6923383	C	P320000	RES. AGMT. EFF. 9/1/06 / PAYKEY ZCOCKAJ123	Green /William H	06/01/11	12/31/15	0	473,143	0
		6925706	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Herzog /Howard J	06/01/12	12/31/15	0	858,145	0
		6925707	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Herzog /Howard J	06/01/12	12/31/14	0	323,332	0
		6925708	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Barrett /Steven R. H.	06/01/12	12/31/14	0	244,304	(0)
		6925709	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Ghoniem /Ahmed F	06/01/12	01/15/17	0	1,693,361	0

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		6925710	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR	Roman /Yuriy	03/01/12	12/31/18	6,178	1,259,150	0
		6925711	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Marzouk /Youssef M	06/01/12	08/31/16	0	818,264	0
		6925712	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Armstrong /Robert C	06/01/12	08/31/16	0	684,861	(0)
		6927080	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR	Jensen /Klavs F	12/01/12	12/31/18	14,049	606,233	0
		6927081	C	P320000	AMENDMENT 2 (EFF 3/1/2012) TO RES AGR EFF 9/1/06	Green /William H	12/01/12	12/31/17	0	595,014	0
		6927130	C	P320000	AMENDMENT 2 (EFF 3/1/12) TO RES AGR EFF 9/1/06	Barton /Paul I	03/01/12	12/31/17	0	927,582	(0)
		<b>Total by Primary Sponsor</b>							<b>20,228</b>	<b>8,819,382</b>	<b>0</b>
010628 Sime Darby Technology Centre SDN, BHD	010628 Sime Darby Technology Centre SDN, BHD	6935948	C	P151031	AGREEMENT DATED MARCH 16, 2017	Ram /Rajeev J	04/01/17	03/31/19	11,537	239,652	305
		6935949	C	P151031	AGREEMENT DATED MARCH 16, 2017	Sinskey /Anthony J	04/01/17	03/31/19	225,608	557,295	(0)
		6935950	C	P151031	AGREEMENT DATED MARCH 16, 2017	Strano /Michael S.	04/01/17	03/31/19	7,548	336,987	(0)
	<b>Total by Primary Sponsor</b>								<b>244,694</b>	<b>1,133,934</b>	<b>305</b>
010631 MedImmune, LLC	010631 MedImmune, LLC	6931777	C	P062000	P.O. 1700026971	Trout /Bernhardt L	03/01/15	02/28/20	123,360	900,000	232,999
		6934399	C	P039010	PO 1700054203	Picard /Rosalind W.	07/01/16	12/31/18	32,115	297,176	0
	<b>Total by Primary Sponsor</b>								<b>155,474</b>	<b>1,197,176</b>	<b>232,999</b>
010641 Capgemini Consulting North America	010641 Capgemini Consulting North America	6937967	C	P121175	AWARD EFF. DATE. 8/1/2017	Thompson /Neil	08/01/17	08/31/20	83,090	387,841	250,000
		6938953	C	P067962	AWARD EFF. DATE. 8/1/2017	Thompson /Neil	07/01/18	08/31/20	325,639	362,159	36,519
	<b>Total by Primary Sponsor</b>								<b>408,730</b>	<b>750,000</b>	<b>286,519</b>
010646 Atrium Medical Corporation	010646 Atrium Medical Corporation	6923662	C	P061901	AGREEMENT DATED 2/1/2011	Edelman /Elazer R	02/01/11	07/30/19	0	1,050,000	0
		6929014	C	P061901	AGREEMENT DATED 2/1/2011	Edelman /Elazer R	02/01/11	07/30/19	0	260,777	5,000
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>1,310,777</b>	<b>5,000</b>
010647 Ferroviai Corporacion, S.A	010647 Ferroviai Corporacion, S.A	6932771	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Armstrong /Robert C	01/01/16	12/31/21	0	681,234	681,234

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		6938607	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Ben-Akiva /Moshe E	06/01/18	05/31/21	226,137	385,342	140,046
		6939739	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Buehler /Markus J	09/01/18	02/29/20	86,378	145,877	59,500
	<b>Total by Primary Sponsor</b>								<b>312,514</b>	<b>1,212,452</b>	<b>880,779</b>
010659 CHDI Management	010659 CHDI Management	6927026	G	P400600	A-5552	Graybiel /Ann M	09/01/12	09/30/19	1,387,669	8,395,674	(1,032,058)
		6927027	G	P400600	A-5552	Graybiel /Ann M	09/01/12	09/30/19	530,384	2,293,219	(743,412)
		6928168	G	P402000	AGMT. DTD. 6/20/13	Housman /David E	07/01/13	03/31/20	367	152,590	168
		6928169	G	P402000	AGMT. DTD. 6/20/13	Housman /David E	07/01/13	03/31/20	55,986	82,000	(880)
		6937529	G	P400600	AGREEMENT DATED 10-11-2017	Feng /Guoping	11/01/17	04/30/18	(360)	50,424	0
	<b>Total by Primary Sponsor</b>								<b>1,974,045</b>	<b>10,973,907</b>	<b>(1,776,182)</b>
010671 Universiti Teknologi MARA	010671 Universiti Teknologi MARA	6923267	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	0	10,635,344	10,635,344
		6923308	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	23,409	1,650,000	85,327
		6923309	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	186,175	1,080,000	(60,636)
		6923310	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	417,757	940,000	(110,135)
		6923311	C	P069501	AGMT DTD 1/14/11	Caplice /Christopher	01/14/11	01/13/21	47,238	250,000	153,462
		6923312	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	0	96,630	(0)
		6923313	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	177,630	665,000	74,106
		6923314	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	31,429	78,606	11,988
		6923315	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	105,666	365,000	33,026
		6923316	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	0	19,198	0
		6923317	C	P069501	AGMT DTD 1/14/11	Sheffi /Yosef	01/14/11	01/13/21	14,410	180,000	20,005

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	<b>Total by Primary Sponsor</b>								<b>1,003,715</b>	<b>15,959,777</b>	<b>10,842,488</b>
010685 GlobalFoundries Singapore Pte. Ltd	010685 GlobalFoundries Singapore Pte. Ltd.	6940347	C	P267200	PO 303003056834	Ram /Rajeev J	01/01/19	03/31/20	20,915	41,000	20,085
	<b>Total by Primary Sponsor</b>								<b>20,915</b>	<b>41,000</b>	<b>20,085</b>
010693 Department for International Development (UK)	010693 Department for International Development (UK)	6929151	G	P091020	COMPONENT CODE 204291-101	Banerjee /Abhijit	01/31/14	03/31/22	210,648	0	(1,111,045)
		6930143	G	P091020	COMPONENT CODE 204291-101	Banerjee /Abhijit	01/31/14	03/31/22	303,048	3,105,947	635,436
		6937095	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	18,298	0	(26,545)
		6937584	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	0	0	(22,089)
		6937585	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	0	0	(2,121)
		6937586	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	222,357	0	(222,357)
		6937694	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	246,361	70,655	(418,009)
		6937695	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	985,011	1,468,028	31,318
		6937696	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	319,256	105,000	(404,178)
		6937697	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	536,087	700,000	142,167
		6937699	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	0	100,000	(10,000)
		6937700	C	P091020	300049	Olken /Benjamin	08/01/17	07/31/22	819,965	550,000	(392,322)
	<b>Total by Primary Sponsor</b>								<b>3,661,030</b>	<b>6,099,630</b>	<b>(1,799,745)</b>
010696 Nissan North America Inc.	010696 Nissan North America Inc.	6940568	G	P066000	SRA DATED 2-4-219	Olivetti /Elsa A	02/04/19	02/03/20	0	160,000	160,000
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>160,000</b>	<b>160,000</b>
010700 Biogen Idec	010085 The Broad Instit	6938054	C	P159300	7000012-5500001029	Bear /Mark	07/01/17	06/30/19	190,538	492,921	(5,117)
	<b>Total by Primary Sponsor</b>								<b>190,538</b>	<b>492,921</b>	<b>(5,117)</b>

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010722 Panasonic Corporation	010722 Panasonic Corporation	6938485	C	P152000	AGMT. DTD. 04/10/18	Johnson /Jeremiah A.	04/10/18	03/31/19	169,800	192,164	10,678
		6938486	C	P152000	AGMT. DTD. 04/10/18	Johnson /Jeremiah A.	04/01/19	03/31/20	91,073	287,866	196,794
	<b>Total by Primary Sponsor</b>								<b>260,872</b>	<b>480,030</b>	<b>207,471</b>
010729 Visterra, Inc.	010729 Visterra, Inc.	6932848	C	P152000	AGMT. DTD. 10/15/2015	Pentelute /Bradley L.	10/15/15	10/31/18	(2,725)	254,947	0
	<b>Total by Primary Sponsor</b>								<b>(2,725)</b>	<b>254,947</b>	<b>0</b>
010756 Skolkovo Foundation	009904 MIT - Internal	6938033	G	P067952	AGMT NO 60107/08012/0006-2015	Solomon /Justin	12/01/17	02/28/19	195,990	200,000	(0)
		6938034	G	P121012	AGMT NO 60107/08012/0006-2015	Vielma Centeno /Juan Pablo	11/01/17	02/28/19	79,914	200,000	0
	<b>Total by Primary Sponsor</b>								<b>275,904</b>	<b>400,000</b>	<b>(0)</b>
010759 Toyota Motor Europe	010759 Toyota Motor Europe	6924545	C	P065005	PO 24604684	Shao-Horn /Yang	09/09/11	05/31/19	0	871,016	(0)
		6938996	C	P267200	PO NO .24593795 /PO 24604684	Shao-Horn /Yang	09/09/11	05/31/19	141,211	141,183	(29)
	<b>Total by Primary Sponsor</b>								<b>141,211</b>	<b>1,012,198</b>	<b>(29)</b>
010760 William N. & Bernice E. Bumpus Foundation	010760 William N. & Bernice E. Bumpus Foundation	6927534	G	P400600	2013.1	Graybiel /Ann M	03/01/13	11/30/17	0	480,851	142,652
		6932929	G	P400600	2013.1	Graybiel /Ann M	10/01/15	08/31/16	0	12,337	0
		6934301	G	P400600	2013.1	Graybiel /Ann M	06/01/16	08/31/16	0	6,811	0
		6936728	G	P400600	2017.1.1	Crittenden /Jill R	07/01/17	06/30/19	87,492	200,000	13,467
	<b>Total by Primary Sponsor</b>								<b>87,492</b>	<b>700,000</b>	<b>156,118</b>
010770 Twaweza in Tanzania	010770 Twaweza in Tanzania	6935449	C	P095500	1612140	Tsai /Lily L	01/01/17	12/31/17	(67)	20,000	(0)
	<b>Total by Primary Sponsor</b>								<b>(67)</b>	<b>20,000</b>	<b>(0)</b>
010805 Project Management Institute, Inc.	010805 Project Management Institute, Inc.	6937480	G	P069400	PO# PMI-10525	Rebentisch /Eric S	09/01/17	12/31/19	362,878	760,000	64,446
	<b>Total by Primary Sponsor</b>								<b>362,878</b>	<b>760,000</b>	<b>64,446</b>

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010820 Ferrovial Servicios, S.A.	010820 Ferrovial Servicios, S.A.	6933565	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Lang /Jeffrey H	01/01/16	01/31/18	0	237,564	0
		6933974	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Sarma /Sanjay E	04/01/16	07/15/18	4,025	349,759	(0)
		6934078	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Ulm /Franz-Josef	05/01/16	04/30/18	(4,346)	440,000	(0)
		6934162	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Ben-Akiva /Moshe E	06/01/16	05/31/18	6,376	335,923	406
		6934515	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER	Lienhard /John H	09/01/16	04/30/18	0	269,034	(0)
		6936112	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER	Gonzalez /Marta C.	03/01/17	10/31/18	(824)	148,419	0
		6936708	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER	Lienhard /John H	05/24/17	03/31/18	0	22,914	0
		6937532	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Pellenq /Roland Jm	10/01/17	09/30/19	236,927	354,942	(347)
		6938514	C	P320000	FERROVIAL MITEI ASSOCIATEMEMBER AGR 1/1/2016	Hansman /Robert J	06/01/18	01/31/20	114,063	256,611	142,549
		<b>Total by Primary Sponsor</b>							<b>356,220</b>	<b>2,415,167</b>	<b>142,608</b>
010840 New York Stem Cell Foundation	010840 New York Stem Cell Foundation	6930455	G	P159300	NYSCF-R-N129	Tye /Kay M.	01/01/15	03/15/19	524,579	1,200,467	(0)
		<b>Total by Primary Sponsor</b>							<b>524,579</b>	<b>1,200,467</b>	<b>(0)</b>
010851 Deloitte Services LP	010851 Deloitte Service LP	6928050	C	P039010	ESG SIG	Havasi /Catherine	07/01/13	09/30/13	0	9,230	0
		<b>Total by Primary Sponsor</b>							<b>0</b>	<b>9,230</b>	<b>0</b>
010875 Facebook Inc.	007180 Purdue Univers	6936747	G	P267200	AGMT# 4301-81537	Reed /Charlotte M	06/19/17	08/31/18	42,173	354,216	0
	010875 Facebook, Inc.	6936220	C	P061093	SOW# MIT-01012017-SCL	Crawley /Edward F	03/13/17	06/30/19	140,038	371,720	62,577
		6937321	C	P061093	MIT-09012017-SEA	Drela /Mark	09/01/17	08/31/18	28,558	109,819	15,767
		6937322	C	P061097	MIT-12142018-MPK / PO 1086947	Cahoy /Kerri	09/01/17	08/31/18	7,970	78,619	0
		6940454	C	P061097	MIT-07202018-MPK / PO 1122852	Cahoy /Kerri	09/01/18	08/31/19	138,236	212,665	74,429
	<b>Total by Primary Sponsor</b>								<b>356,974</b>	<b>1,127,039</b>	<b>152,773</b>



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010876 Brain and Behavior Research Foundation	010876 Brain and Behavior Research Foundation	6933533	G	P061901	GRANT ID 23799	Chung /Kwanghun	01/15/16	01/14/18	1,247	43,296	0
		6935353	G	P400600	24974	Homma /Daigo	01/15/17	07/14/19	98,450	70,000	(36,046)
		6935354	G	P400600	24982	Hung /Yuwen	01/15/17	01/14/19	1,894	70,000	(0)
		6935355	G	P400600	24853	Bauer Hoss /Clemens	01/15/17	01/14/20	29,404	35,000	5,596
		6936159	G	P159300	25731	Choi /Bohyun Gloria	09/15/17	09/14/19	3,543	75,000	45,362
		6937452	G	P159300	GRANT NO. 26222	Flavell /Steven Willem	01/15/18	01/14/20	8,526	35,000	5,492
		6938813	G	P159300	GRANT NO. 26697	Siciliano /Cody A	05/15/18	01/14/20	5,908	17,500	11,592
		6939451	G	P154500	25239	Schmitt /Lukas I	01/05/18	01/14/19	38,992	38,995	3
		6939453	C	P154500	25239	Wimmer /Ralf D	01/15/18	01/15/20	60,627	70,000	9,373
		6939926	G	P039000	GRANT NO. 27205	Dagdeviren /Canan	01/15/19	01/14/20	13,849	35,000	21,151
		<b>Total by Primary Sponsor</b>							<b>262,440</b>	<b>489,791</b>	<b>62,523</b>
010908 Susan Thompson Buffett Foundation	010908 Susan Thompson Buffett Foundation	6938471	C	P091000	AGREEMENT DATED 11/1/17	Autor /David H	11/01/17	10/31/20	478,167	1,109,420	386,676
		<b>Total by Primary Sponsor</b>							<b>478,167</b>	<b>1,109,420</b>	<b>386,676</b>
010940 SABIC Global Technologies, B.V	010940 SABIC Global Technologies, B.V.	6929862	C	P062000	RPP 1: STEPHANOPOULOS P.O. 4501650669	Stephanopoulos /Gregory	05/01/14	04/30/18	(1,654)	598,593	(0)
		6931956	C	P062000	RPP 2: GREEN	Green /William H	03/25/15	06/30/17	0	350,706	(0)
		6934555	C	P065004	RPP 3: GHONIEM	Ghoniem /Ahmed F	11/01/16	10/31/17	0	231,247	0
		6935860	C	P062000	RPP4: GREEN	Green /William H	07/01/17	06/30/19	182,419	350,000	314
		6938356	C	P065004	RPP EFFECTIVE 4/1/18	Ghoniem /Ahmed F	04/01/18	09/30/19	272,924	438,487	164,156
		<b>Total by Primary Sponsor</b>							<b>453,690</b>	<b>1,969,034</b>	<b>164,470</b>
010957 Patient-Centered Outcomes Research Institute	100822 Medical Device Innovation Consortium	6936003	C	P122150	AGREEMENT EFFECTIVE 03/30/2017	Lo /Andrew W	11/01/16	12/31/18	36,710	115,562	0
		<b>Total by Primary Sponsor</b>							<b>36,710</b>	<b>115,562</b>	<b>0</b>

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010973 Open Society Foundations	010973 Open Society F	6935440	G	P035000	GRANT # OR2016-31760	Rajagopal /Balakrishnan	11/14/16	02/28/19	13,854	99,348	0
	<b>Total by Primary Sponsor</b>								<b>13,854</b>	<b>99,348</b>	<b>0</b>
011060 Merck, Sharpe and Dohme Corp	011060 Merck, Sharpe and Dohme Corp	6933255	G	P062000	LKR150393	Trout /Bernhardt L	01/01/16	06/30/20	117,818	445,000	160,554
		6935296	C	P243021	LKR#159126/PO# 8102304035	Hong /Mei	11/28/16	08/27/18	23,969	150,000	0
	<b>Total by Primary Sponsor</b>								<b>141,787</b>	<b>595,000</b>	<b>160,554</b>
011083 Robert A and Renee E Belfer Family Foundation	007555 University of Texas-MD Anderson Cancer Center	6925643	G	P159300	CONSORTIUM AGREEMENT DTD 2/28/12 , A&R AGREEMENT DTD	Tsai /Li-Huei	01/01/12	07/31/21	(147,993)	2,612,374	(269)
		6939256	G	P159300	CONSORTIUM AGREEMENT DTD 2/28/12 , A&R AGREEMENT DTD	Tsai /Li-Huei	12/01/17	07/31/21	1,331,653	1,300,000	(31,653)
	<b>Total by Primary Sponsor</b>								<b>1,183,660</b>	<b>3,912,374</b>	<b>(31,922)</b>
011108 OCP Group	011108 OCP Group	6928661	C	P062000	RESEARCH AGREEMENT EFFECTIVE JUNE, 1, 2013	Hatton /Trevor Alan	06/01/13	05/31/17	43,145	907,518	(0)
		6939459	C	P069400	MASTER AGRMNT DTD. 09/01/2018	Dahleh /Munther A	09/01/18	08/31/23	0	600,000	600,000
		6939508	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/18	08/31/23	0	500,000	500,000
		6939598	G	P069400	WORK ORDER 1	Dahleh /Munther A	09/01/18	08/31/20	102,997	800,000	697,003
		6939599	C	P069400	MASTER AGRMNT DTD. TBD	Dahleh /Munther A	09/01/18	08/31/23	0	0	0
		6939674	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/18	08/31/20	162,223	600,000	437,777
		6939675	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/18	08/31/20	91,518	600,000	508,482
		6940031	C	P121012	OCP-MIT-UM6P	Bertsimas /Dimitris J	09/01/18	08/31/20	31,408	300,000	268,592
	<b>Total by Primary Sponsor</b>								<b>431,291</b>	<b>4,307,518</b>	<b>3,011,854</b>
011110 Agence Francaise de Developpement	011110 Agence Francaise de Developpement	6925930	C	P159400	RCH-2012-277	Reilly /John M	06/12/12	05/31/18	(1,479)	625,000	(0)
	011928 Overseas Development Institute	6936500	G	P039000	F0239200	Pentland /Alex Paul	06/08/17	05/31/18	(880)	116,572	0
	<b>Total by Primary Sponsor</b>								<b>(2,359)</b>	<b>741,572</b>	<b>(0)</b>
011148 Bioiberica S.A.	011148 Bioiberica, S.A.	6937494	C	P061901	PO2017007544 / AGMT EFF 11/27/17	Balcells-Camps /Mercedes	01/01/18	12/31/18	28,175	68,917	(0)

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	<b>Total by Primary Sponsor</b>								<b>28,175</b>	<b>68,917</b>	<b>(0)</b>
011173 Austrian Institute of Technology	011173 Austrian Institute of Technology	6936740	C	P035000	AGMT DTD 6/1/2017	Ratti /Carlo	06/01/17	08/31/19	87,424	160,000	(825)
	<b>Total by Primary Sponsor</b>								<b>87,424</b>	<b>160,000</b>	<b>(825)</b>
011174 Canadian Institute of Advanced Research	011174 Canadian Institute of Advanced Research	6934647	G	P152000	FL-000232	Schlau-Cohen /Gabriela S	07/01/16	06/30/19	1,750	99,000	93,480
		6939628	G	P152000	FL-000963	Surendranath /Yogesh	07/01/18	06/30/19	8,311	37,000	28,689
		6940567	G	P152000	FL-00100	Schlau-Cohen /Gabriela S	03/01/19	02/29/20	0	18,500	18,500
		6941027	G	P152000	FL-001004	Schlau-Cohen /Gabriela S	05/01/19	04/30/20	0	18,500	18,500
	<b>Total by Primary Sponsor</b>								<b>10,061</b>	<b>173,000</b>	<b>159,170</b>
011176 Cure Alzheimer's Fund	011176 Cure Alzheimer's Fund	6940097	G	P159300		Tsai /Li-Huei	01/01/19	12/31/19	149,437	230,000	80,563
		6940333	G	P067952		Kellis /Manolis	01/01/19	12/31/19	0	230,000	230,000
	<b>Total by Primary Sponsor</b>								<b>149,437</b>	<b>460,000</b>	<b>310,563</b>
011187 University Industry Research Corporation	011187 University Industry Research Corporation	6926114	C	P067952	AGMT EFFECTIVE 07/23/1	Madden /Samuel R	08/01/12	08/31/19	0	347	347
		6926733	C	P067952	AGMT EFFECTIVE 07/23/1	Madden /Samuel R	08/01/12	08/31/19	12,679	1,589,161	3,220
		6926734	C	P067952	AGMT EFFECTIVE 07/23/1	Karger /David R	09/01/12	08/31/17	(145)	475,000	427
		6926735	C	P067952	AGMT EFFECTIVE 07/23/1	Jaakkola /Tommi S	09/01/12	08/31/14	0	76,756	(0)
		6926736	C	P067952	AGMT EFFECTIVE 07/23/1	Madden /Samuel R	09/01/12	08/31/19	8,326	1,760,000	44
		6926737	C	P067952	AGMT EFFECTIVE 07/23/1	Amarasinghe /Saman P	09/01/12	08/31/17	0	74,999	(0)
		6926738	C	P067952	AGMT EFFECTIVE 07/23/1	Edelman /Alan	09/01/12	08/31/17	0	665,000	(14,073)
		6926739	C	P067952	AGMT EFFECTIVE 07/23/1	Devadas /Srinivas	09/01/12	08/31/18	11,126	572,650	(0)
		6926740	C	P067952	AGMT EFFECTIVE 07/23/1	Szolovits /Peter	09/01/12	08/31/18	0	351,756	(13,071)
		6926741	C	P067952	AGMT EFFECTIVE 07/23/1	Mithal /Arvind	09/01/12	08/31/17	0	100,000	0
		6928931	C	P067952	AGMT EFFECTIVE 07/23/1	Indyk /Piotr	09/01/13	08/31/17	0	80,500	0

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		6932526	C	P067952	AGMT EFFECTIVE 07/23/1	Zaharia /Matei A	09/01/15	01/31/17	0	50,430	0
	<b>Total by Primary Sponsor</b>								<b>31,987</b>	<b>5,796,599</b>	<b>(23,107)</b>
011199 Silicon Valley Community Foundation	006637 Allen Institute for Brain Science	6938262	G	P039070	2017-0524/PO#AIP044539	Boyden /Edward	12/01/17	05/31/19	210,016	261,508	8,997
	<b>Total by Primary Sponsor</b>								<b>210,016</b>	<b>261,508</b>	<b>8,997</b>
011201 Jain Irrigation Systems Ltd	011201 Jain Irrigation Systems Ltd	6927620	C	P065005	AGREEMENT DATED 4/16/13	Winter /Amos G	06/01/12	08/31/19	272,938	841,582	2,617
	<b>Total by Primary Sponsor</b>								<b>272,938</b>	<b>841,582</b>	<b>2,617</b>
011205 Qatar Foundation	011205 Qatar Foundation	6926112	C	P067950	AGRMT EFF. 6/27/12	Rus /Daniela L	07/01/12	06/30/19	0	808,501	780,132
		6926241	C	P067952	AGRMT EFF. 6/27/12	Seneff /Stephanie	07/01/12	06/30/13	0	291,965	(0)
		6926242	C	P067952	AGRMT EFF. 6/27/12	Glass /James R	07/01/12	06/30/13	0	195,000	(0)
		6926243	C	P067952	AGRMT EFF. 6/27/12	Gifford /David K	07/01/12	06/30/14	0	345,103	0
		6926244	C	P067952	AGRMT EFF. 6/27/12	Barzilay /Regina	07/01/12	06/30/13	0	69,982	0
		6926245	C	P067952	AGRMT EFF. 6/27/12	Madden /Samuel R	07/01/12	06/30/13	0	171,889	0
		6926246	C	P067952	AGRMT EFF. 6/27/12	Stonebraker /Michael	07/01/12	08/15/13	0	152,572	(0)
		6926247	C	P067950	AGRMT EFF. 6/27/12	Rus /Daniela L	06/01/12	06/30/19	564,400	5,250,000	671,783
		6926917	C	P067952	AGRMT EFF. 6/27/12	Barzilay /Regina	10/01/12	08/15/13	0	59,990	0
		6926918	C	P067952	AGRMT EFF. 6/27/12	Oliva /Aude	10/01/12	09/30/13	0	420,823	0
		6926919	C	P067952	AGRMT EFF. 6/27/12	Mithal /Arvind	01/01/13	12/31/13	0	209,230	(0)
		6926920	C	P067952	AGRMT EFF. 6/27/12	Kagal /Lalana S	01/01/13	08/15/13	0	180,259	(0)
		6926922	C	P067952	AGRMT EFF. 6/27/12	Matusik /Wojciech	10/01/12	08/15/13	0	162,077	(0)
		6928352	C	P067952	AGRMT EFF. 6/27/12	Devadas /Srinivas	07/01/13	08/31/15	0	1,889,819	(0)
		6928353	C	P067952	AGRMT EFF. 6/27/12	Glass /James R	07/01/13	06/30/19	737,206	4,916,215	(3,734)
		6928354	C	P067952	AGRMT EFF. 6/27/12	Gutttag /John V	07/01/13	08/31/15	0	1,636,245	(0)

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		6928355	C	P067952	AGRMT EFF. 6/27/12	Kagal /Lalana S	07/01/13	08/31/15	0	1,439,485	0
		6928356	C	P067952	AGRMT EFF. 6/27/12	Stonebraker /Michael	07/01/13	06/30/19	1,034,062	4,420,885	(27,415)
		6930558	C	P067952	AGRMT EFF. 6/27/12	Berners-Lee /Timothy J	07/01/13	01/15/17	0	1,258,427	(0)
		6930577	C	P067952	AGRMT EFF. 6/27/12	Matusik /Wojciech	07/01/13	06/30/18	540	1,546,655	(31,235)
		6932546	C	P067952	AGRMT EFF. 6/27/12	Sanchez Martin /Daniel	07/01/15	06/30/18	(9,324)	776,821	(0)
		6932547	C	P067952	AGRMT EFF. 6/27/12	Harrell /Douglas Alan	07/01/15	06/30/18	1,666	679,497	4,332
		6932548	C	P067952	AGRMT EFF. 6/27/12	Torralba /Antonio	07/01/15	06/30/19	138,541	1,010,308	83,683
		6932838	C	P067952	AGRMT EFF. 6/27/12	Durand /Frederic	07/01/15	01/15/17	0	472,424	0
		6934076	C	P067952	AGRMT EFF. 6/27/12	Gonzalez /Marta C.	04/01/16	11/30/17	0	206,258	(0)
		6934275	C	P067950	AGRMT EFF. 6/27/12	Rus /Daniela L	04/01/16	06/30/19	318,348	1,373,468	250,907
		6934727	C	P067952	AGRMT EFF. 6/27/12	Jaakkola /Tommi S	07/01/16	06/30/18	0	222,157	0
		6934728	C	P067952	AGRMT EFF. 6/27/12	Barzilay /Regina	07/01/16	06/30/18	(766)	518,062	(714)
		6935810	C	P067952	AGRMT EFF. 6/27/12	Balakrishnan /Hari	01/01/17	06/30/19	590,929	1,480,855	97,025
		6940705	C	P067952	AGRMT EFF. 6/27/12	Matusik /Wojciech	10/15/18	06/30/19	150,985	335,028	184,043
	Total by Primary Sponsor									3,526,587	32,500,000
011208 Ovarian Cancer Research Fund	011208 Ovarian Cancer Research Fund	6931500	G	P402000	327677	Yaffe /Michael B	01/01/15	12/31/15	0	223,346	0
		6931502	G	P402000	327677	Yaffe /Michael B	01/01/16	12/31/16	0	322,783	0
		6931504	G	P402000	327677	Yaffe /Michael B	01/01/17	12/31/18	(20,528)	353,871	(0)
	Total by Primary Sponsor									(20,528)	900,000
011219 Lundbeck Foundation	011219 Lundbeck Foundation	6926713	G	P400600	LETTER DATED OCTOBER 2, 2012	Desimone /Robert	02/01/13	11/15/18	168,598	416,218	(0)
		Total by Primary Sponsor									168,598
011280 Boehringer Ingelheim Pharma GmbH & Co.	011280 Boehringer Ingelheim Pharma GmbH & Co.	6932802	C	P069201	PO# 45441307	Griffith /Linda G	08/14/15	08/31/18	2,894	180,817	663
		6932803	C	P069201	43067143	Griffith /Linda G	08/14/15	05/31/19	5,152	516,010	(10,529)

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		6932804	C	P069201	43067143	Griffith /Linda G	08/14/15	05/31/19	1,416	234,000	137,548
		6932806	C	P069201	PO# 45441311	Griffith /Linda G	08/14/15	08/31/18	41,440	180,817	(8,564)
		6932807	C	P069201	PO# 45441449	Griffith /Linda G	08/14/15	08/31/18	177,250	948,854	100,474
		6932808	C	P069201	CONTRACT 43067144	Griffith /Linda G	08/14/15	05/31/19	272,863	583,198	51,422
		6932809	C	P069201	CONTRACT 43067144	Griffith /Linda G	08/14/15	05/31/19	130,386	315,032	133,360
		6932811	C	P069201	PO# 45441319	Alm /Eric J	08/14/15	01/09/18	(3,888)	351,000	277,486
		6932812	C	P069201	43067145	Alm /Eric J	08/14/15	11/30/18	0	314,906	202,489
		6932813	C	P069201	43067145	Alm /Eric J	08/14/15	11/30/18	3,790	134,505	0
		6932815	C	P069201	PO# 45441324	Lauffenburger /Douglas A	08/14/15	08/31/18	92,240	255,995	68,548
		6932816	C	P069201	43067146	Lauffenburger /Douglas A	08/14/15	05/31/19	69,225	315,855	(11,366)
		6932817	C	P069201	43067146	Lauffenburger /Douglas A	08/14/15	05/31/19	3,984	234,000	207,020
		6940000	C	P069201	43067141	Griffith /Linda G	09/01/18	05/31/19	3,459	20,000	16,541
		Total by Primary Sponsor									800,211
011292 Twitter, Inc	011292 Twitter, Inc.	6929773	C	P039010	MEDIA LAB CONSORTIA	Roy /Deb K	05/01/14	04/30/21	1,418,003	6,750,000	182,411
	Total by Primary Sponsor								1,418,003	6,750,000	182,411
011354 MTR Corporation Limited	011354 MTR Corporation Limited	6933953	C	P035000	PO NO. 1097893	Zhao /Jinhua	01/01/16	12/31/19	355,897	1,090,000	198,045
	Total by Primary Sponsor								355,897	1,090,000	198,045
011378 Brain Research Foundation	011378 Brain Research Foundation	6934201	G	P159300	BRFSG-2016-09	Heiman /Myriam	06/01/16	05/31/18	(885)	80,000	0
	Total by Primary Sponsor								(885)	80,000	0
011396 Bert L. & N. Kuggie Vallee Foundation	011396 Bert L. & N. Kuggie Vallee Foundation	6928203	G	P400600	LETTER DATED JULY 1, 2013	Zhang /Feng	08/01/13	07/31/18	(0)	250,000	0

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		6939350	G	P400600	VS-2018-21	Harnett /Mark Thomas	09/01/18	08/31/22	43,297	300,000	256,703
	<b>Total by Primary Sponsor</b>								<b>43,296</b>	<b>550,000</b>	<b>256,703</b>
011452 Transamerica Capital Inc	011452 Transamerica Capital Inc	6927764	C	P069501	AGMT. DTD	Coughlin /Joseph F	05/01/13	05/30/19	100,386	1,725,000	151,807
	<b>Total by Primary Sponsor</b>								<b>100,386</b>	<b>1,725,000</b>	<b>151,807</b>
011454 Intel Corporation	011454 Intel Corporation	6931195	C	P039010	MEDIA LAB CONSORTIA	Ishii /Hiroshi	01/01/15	12/31/15	0	140,000	0
		6936109	G	P065005	AGMT DTD. 03/24/17	Sarma /Sanjay E	04/17/17	12/31/18	12,426	304,808	42,978
		6937140	C	P067952	AGMT DATED 9/11/17	Katabi /Dina	09/11/17	08/31/20	52,690	238,000	182,499
		6939396	C	P067952	AGMT. DATED 9/1/18	Solar Lezama /Armando	09/01/18	08/31/19	119,253	100,000	(19,253)
		6939564	C	P067952	AGMT DTD 10/1/18	Carbin /Michael James	10/01/18	09/30/19	4,012	102,046	98,034
		6939948	C	P067952	AGMT DTD 11/15/2018	Madden /Samuel R	11/15/18	11/14/21	45,693	400,000	354,307
		6940005	C	P067952		Katabi /Dina	12/01/18	11/30/19	0	130,000	130,000
	<b>Total by Primary Sponsor</b>								<b>234,074</b>	<b>1,414,854</b>	<b>788,566</b>
011474 Servico Nacional de Aprendizagem Industrial (SENAI)	011474 Servico Nacional de Aprendizagem Industrial (SENAI)	6929664	C	P060300	AGREEMENT DATED 02/04/2014	Lester /Richard K	05/05/14	08/31/19	903,372	5,884,134	1,092,075
	<b>Total by Primary Sponsor</b>								<b>903,372</b>	<b>5,884,134</b>	<b>1,092,075</b>
011490 Tata Consultancy Services	011490 Tata Consultancy Services	6933519	C	P039010	MEDIA LAB CONSORTIA	Raskar /Ramesh	01/01/16	12/31/20	(19,851)	91,288	0
		6936521	C	P039010	MEDIA LAB CONSORTIA	Rahwan /Ilyad	09/01/17	08/31/19	90,446	158,712	0
		6939561	C	P039010	AGREEMENT DATED 9/24/18	Fedor /Szymon	10/01/18	03/31/20	144,652	500,000	355,348
	<b>Total by Primary Sponsor</b>								<b>215,247</b>	<b>750,000</b>	<b>355,348</b>
011491 Mahindra & Mahindra, Ltd.	011491 Mahindra & Mahindra, Ltd.	6933169	G	P065005	AGMT DATED 01/14/2016	Winter /Amos G	09/01/15	08/31/19	100,272	300,000	33,153
	<b>Total by Primary Sponsor</b>								<b>100,272</b>	<b>300,000</b>	<b>33,153</b>

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011506 Laura and John Arnold Foundation	011506 Laura and John Arnold Foundation	6928809	G	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	0	1,327,986	0
		6928810	G	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	0	169,720	0
		6928811	G	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	357,430	664,600	(1,393,378)
		6929158	G	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	4,605	286,124	223,821
		6929159	G	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	757,514	2,451,880	315,894
		6932261	G	P091020	AGMT. DATED 6/30/2015	Finkelstein /Amy	07/14/15	06/30/20	869,325	1,289,775	(621,934)
		6932510	G	P091020	LTR DTD 8/5/15	Finkelstein /Amy	04/01/15	02/15/22	125,335	499,064	(3,561)
		6933547	G	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/15	06/30/22	102,970	399,283	54,142
		6933548	G	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	09/01/13	06/30/22	0	8,512	(0)
		6934072	G	P091020	LTR DTD 8/5/15	Finkelstein /Amy	04/01/15	02/15/22	112,337	603,256	(13,090)
		6934793	G	P091020	AGMT. DATED 6/30/2015	Finkelstein /Amy	07/01/16	06/30/20	351,749	1,833,401	912,167
		6935340	G	P091020	AGMT DTD 12/9/2016	Duflo /Esther	01/01/17	11/01/19	219,528	486,000	10,661
		6937006	G	P091020	AGMT. DATED 6/30/2015	Finkelstein /Amy	07/15/17	01/14/18	0	40,835	0
		6937749	G	P091020	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	11/30/21	101,524	49,923	(51,601)
		6937750	G	P091020	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	11/30/21	268,933	867,341	598,408
		6937751	G	P091020	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	11/30/21	935,050	721,668	(676,633)
		6937793	G	P405028	LETTER DATED JAN 2018	Pathak /Parag	01/01/18	03/31/21	0	0	0
		6937794	G	P405028	LETTER DATED JAN 2018	Pathak /Parag	01/01/18	03/31/21	154,742	239,600	84,858
		6937944	G	P091000	LETTER DATED JAN 2018	Pathak /Parag	01/01/18	03/31/21	317,725	413,973	11,333
		6938048	G	P091020	LTR DTD 10/24/2017	Finkelstein /Amy	09/01/17	09/20/19	76,798	206,036	30,238



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		6938049	G	P091020	AGMT. DTD. 10/18/13	Finkelstein /Amy	07/15/17	07/15/20	55,000	50,000	(5,000)
	<b>Total by Primary Sponsor</b>								<b>4,810,565</b>	<b>12,608,977</b>	<b>(523,675)</b>
011545 Breast Cancer Alliance, Inc.	011545 Breast Cancer Alliance, Inc.	6938146	G	P067952		Barzilay /Regina	02/01/18	01/31/19	96,534	100,000	(434)
		6940275	G	P267600	AGMT DTD 2/1/19	Lu /Timothy K	02/01/19	01/31/20	61,547	100,000	38,453
	<b>Total by Primary Sponsor</b>								<b>158,081</b>	<b>200,000</b>	<b>38,019</b>
011550 Harvard University - Weiss Family Program	011550 Harvard University - Weiss Family Program	6933904	G	P091020	RESEARCH PROJECT AGREEMENT #6	Duflo /Esther	12/08/15	12/31/16	0	39,450	0
		6933905	G	P091020	RESEARCH PROJECT AGREEMENT #6	Olken /Benjamin	12/09/15	12/31/16	0	36,500	0
		6933906	G	P091020	RESEARCH PROJECT AGREEMENT #6	Duflo /Esther	12/10/15	09/30/18	0	30,000	10,435
		6933907	G	P091020	RESEARCH PROJECT AGREEMENT #6	Duflo /Esther	12/09/15	12/31/16	0	10,200	0
		6935609	G	P091020	RESEARCH PROJECT AGREEMENT #08	Schilbach /Frank	01/05/17	10/31/18	5,572	59,876	(2,622)
		6936514	G	P091020	RPA#08 AMENDMENT 1	Duflo /Esther	03/13/17	08/31/18	15,424	15,424	0
		6938031	G	P091020	RPA#9 MCKELWAY PROJECT	Duflo /Esther	06/03/17	06/30/18	0	33,000	2,532
		6938032	G	P091020	RPA#9 ZARATE VASQUEZ PROJECT	Duflo /Esther	06/07/17	06/30/18	0	21,226	15,777
		6939353	G	P091020	RPA#11	Townsend /Robert	05/24/18	05/31/19	3,242	3,200	(42)
	<b>Total by Primary Sponsor</b>								<b>24,239</b>	<b>248,876</b>	<b>26,080</b>
011564 London Eye Hospital	011564 London Eye Hospital	6929619	C	P152000	AGRMT DTD 3/21/14	Johnson /Jeremiah A.	01/01/14	08/31/18	0	962,767	(35,032)
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>962,767</b>	<b>(35,032)</b>
011568 Rio Tinto	011568 Rio Tinto	6930074	C	P069850	AGREEMENT DATED 1/1/14	Kirchain /Randolph E	01/01/14	12/31/19	287,437	1,466,716	59,936
	<b>Total by Primary Sponsor</b>								<b>287,437</b>	<b>1,466,716</b>	<b>59,936</b>
011628 Skolkovo Institute of Science and Technology	011628 Skolkovo Institute of Science and Technology	6925426	C	P402000	AGREEMENT DATED 10/1/13	Jacks /Tyler E	10/01/13	01/23/19	0	37,500	(0)

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		6928732	C	P402000	AGREEMENT DATED 10/1/13	Anderson /Daniel Griffith	10/01/13	12/31/18	0	4,839	4,558
		6929086	C	P069201	AGREEMENT DATED 10/1/13	Sasisekharan /Ram	10/01/13	12/31/18	0	100	100
		6929354	C	P402000	AGREEMENT DATED 10/1/13	Anderson /Daniel Griffith	10/01/13	12/31/18	0	1,004,160	0
		6929355	C	P402000	AGREEMENT DATED 10/1/13	Anderson /Daniel Griffith	10/01/13	12/31/18	0	3,124,168	(0)
		6929356	C	P402000	AGREEMENT DATED 10/1/13	Anderson /Daniel Griffith	10/01/13	12/31/18	0	29,112	0
		6929357	C	P402000	AGREEMENT DATED 10/1/13	Anderson /Daniel Griffith	10/01/13	12/31/18	0	48,546	0
		6929358	C	P402000	AGREEMENT DATED 10/1/13	Anderson /Daniel Griffith	10/01/13	12/31/18	0	8,878	0
		6929359	C	P402000	AGREEMENT DATED 10/1/13	Anderson /Daniel Griffith	10/01/13	12/31/18	0	20,021	(0)
		6929360	C	P402000	AGREEMENT DATED 10/1/13	Anderson /Daniel Griffith	10/01/13	12/31/18	0	6,419	0
		6929363	C	P402000	AGREEMENT DATED 10/1/13	Sharp /Phillip A	10/01/13	12/31/18	0	40,000	(0)
		6929364	C	P402000	AGREEMENT DATED 10/1/13	Sharp /Phillip A	10/01/13	12/31/18	0	317,510	(0)
		6929400	C	P069201	AGREEMENT DATED 10/1/13	Sasisekharan /Ram	10/01/13	12/31/18	0	0	0
		6929401	C	P069201	AGREEMENT DATED 10/1/13	Sasisekharan /Ram	10/01/13	01/23/19	0	213,320	0
		6929402	C	P069201	AGREEMENT DATED 10/1/13	Sasisekharan /Ram	10/01/13	12/31/18	0	205,398	0
		6929403	C	P069201	AGREEMENT DATED 10/1/13	Sasisekharan /Ram	10/01/13	01/23/19	0	161,211	0
		6929404	C	P069201	AGREEMENT DATED 10/1/13	Sasisekharan /Ram	10/01/13	12/31/18	0	344,649	(0)
		6929406	C	P069200	AGREEMENT DATED 10/1/13	Bhatia /Sangeeta N	10/01/13	12/31/18	0	501,260	0
		6929408	C	P069201	AGREEMENT DATED 10/1/13	Chen /Jianzhu	10/01/13	01/23/19	0	160,270	0
		6929409	C	P069201	AGREEMENT DATED 10/1/13	Chen /Jianzhu	10/01/13	01/23/19	0	160,270	0
		6929410	C	P069201	AGREEMENT DATED 10/1/13	Chen /Jianzhu	10/01/13	01/23/19	0	160,271	0
		6929412	C	P069201	AGREEMENT DATED 10/1/13	Klibanov /Alexander M	10/01/13	01/23/19	0	346,101	(0)
		6929413	C	P069201	AGREEMENT DATED 10/1/13	Klibanov /Alexander M	10/01/13	01/23/19	0	246,101	0
		6929415	C	P069201	AGREEMENT DATED 10/1/13	Langer /Robert S	10/01/13	12/31/18	0	193,758	(0)
		6929420	C	P069201	AGREEMENT DATED 10/1/13	Langer /Robert S	10/01/13	12/31/18	0	194,214	(0)
		6929421	C	P069201	AGREEMENT DATED 10/1/13	Langer /Robert S	10/01/13	12/31/18	0	182,740	0

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		6929425	C	P402000	AGREEMENT DATED 10/1/13	Jacks /Tyler E	10/01/13	01/23/19	0	105,504	0
		6929427	C	P402000	AGREEMENT DATED 10/1/13	Anderson /Daniel Griffith	10/01/13	12/31/18	0	429,012	1,068
		6929900	C	P069850	186-MRA	Thompson /Carl Vernet	10/01/13	01/23/20	0	1,074,108	1,074,108
		6929901	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	155,735	0	(715,095)
		6929902	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	0	0	(185,388)
		6929903	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	3,101	0	(26,153)
		6929910	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	0	1,063,223	1,060,508
		6929911	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	137,840	0	(529,695)
		6929912	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	71	0	(287,859)
		6929913	C	P069850	AGREEMENT DATED 10/1/13	Thompson /Carl Vernet	10/01/13	01/23/20	60	0	(157,874)
		6929920	C	P069850	AGREEMENT DATED 10/1/13	Shao-Horn /Yang	10/01/13	01/23/20	0	1,071,379	1,071,349
		6929921	C	P069850	AGREEMENT DATED 10/1/13	Shao-Horn /Yang	10/01/13	01/23/20	2,091	0	(205,497)
		6929922	C	P069850	AGREEMENT DATED 10/1/13	Shao-Horn /Yang	10/01/13	01/23/20	146,107	0	(583,433)
		6929923	C	P069850	AGREEMENT DATED 10/1/13	Shao-Horn /Yang	10/01/13	01/23/20	6,434	0	(205,225)
		6929930	C	P069850	AGREEMENT DATED 10/1/13	Tuller /Harry L	10/01/13	01/23/20	0	1,022,406	1,022,406
		6929933	C	P069850	AGREEMENT DATED 10/1/13	Tuller /Harry L	10/01/13	01/23/20	144,944	0	(1,016,298)
		6929940	C	P069850	AGREEMENT DATED 10/1/13	Chiang /Yet-Ming	10/01/13	01/23/20	0	933,562	933,562
		6929941	C	P069850	AGREEMENT DATED 10/1/13	Chiang /Yet-Ming	10/01/13	01/23/20	231,037	0	(848,861)
		6929942	C	P069850	AGREEMENT DATED 10/1/13	Chiang /Yet-Ming	10/01/13	01/23/20	0	0	(6,003)
		6929950	C	P069850	AGREEMENT DATED 10/1/13	Carter /W Craig	10/01/13	01/23/20	0	139,210	139,210

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		6929954	C	P069850	AGREEMENT DATED 10/1/13	Carter /W Craig	10/01/13	01/23/20	0	0	(139,210)
		6929960	C	P069850	AGREEMENT DATED 10/1/13	Hammond /Paula T	10/01/13	01/23/20	0	189,239	189,239
		6929961	C	P069850	AGREEMENT DATED 10/1/13	Hammond /Paula T	10/01/13	01/23/20	31	0	(75,828)
		6929962	C	P069850	AGREEMENT DATED 10/1/13	Hammond /Paula T	10/01/13	01/23/20	0	0	(113,442)
		6929970	C	P069850	AGREEMENT DATED 10/1/13	Cummins /Christopher C	10/01/13	01/23/20	0	674,813	674,813
		6929971	C	P069850	AGREEMENT DATED 10/1/13	Cummins /Christopher C	10/01/13	01/23/20	195,964	0	(664,234)
		6929972	C	P069850	AGREEMENT DATED 10/1/13	Cummins /Christopher C	10/01/13	01/23/20	0	0	(4,808)
		6929980	C	P069850	AGREEMENT DATED 10/1/13	Kolpak /Alexie M	10/01/13	01/23/20	0	512,178	512,178
		6929982	C	P069850	AGREEMENT DATED 10/1/13	Kolpak /Alexie M	10/01/13	01/23/20	(0)	0	(312,432)
		6929983	C	P069850	AGREEMENT DATED 10/1/13	Kolpak /Alexie M	10/01/13	01/23/20	0	0	(199,746)
		6931099	C	P069201	AGREEMENT DATED 10/1/13	Sasisekharan /Ram	10/01/13	12/31/18	163,758	1,456,458	(1,298)
		6935255	C	P065005	1916/R	Turitsyn /Konstantin	09/01/16	11/30/19	313,672	765,228	63,571
		6935263	C	P065005	1917/R	Youcef-Toumi /Kamal	09/01/16	11/30/19	227,761	695,908	84,183
		6935275	C	P400600	1924/R	Zhang /Feng	09/01/16	11/30/19	208,331	500,000	4,052
		6935278	C	P152000	1914/R	Nelson /Keith Adam	09/01/16	11/30/19	216,294	500,400	20,410
		6935280	C	P060600	1915/R	Velasquez-Heller /Luis Fernand	12/01/16	11/30/19	278,448	738,150	213,693
		6935283	C	P402000	1923/R	Anderson /Daniel Griffith	12/01/16	11/30/19	156,298	409,507	72,240
		6935284	C	P267500	RES. AGMT. NO. 1910/R	White /Jacob K	09/01/16	11/30/19	242,572	753,750	178,239
		6935297	C	P165000	1911/R	Bathe /Mark	09/01/16	11/30/19	111,713	492,945	174,106
		6935298	C	P065004	1912/R	Hart /Anastasios John	09/01/16	11/30/19	216,750	722,395	120,460

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		6935299	C	P065004	1913/R	Buonassisi /Anthony	09/01/16	11/30/19	226,342	744,891	134,802
		6935320	C	P069850	1919/R	Gedik /Nuh	09/01/16	11/30/19	299,445	733,967	125,879
		6935321	C	P069850	1918/R	Chiang /Yet-Ming	09/01/16	11/30/19	366,077	733,988	215,497
		6935332	C	P068000	1922/R	Li /Ju	09/01/16	11/30/19	107,875	332,905	(12,277)
		6935424	C	P267111	AGMT NO. 1920/R	Daniel /Luca	09/01/16	11/30/19	237,895	733,604	315,766
		6935425	C	P267111	AGMT NO. 1921/R	Berggren /Karl K	09/01/16	11/30/19	307,235	701,891	47,442
		6935772	C	P402000	182-MRA	Anderson /Daniel Griffith	01/01/17	12/31/18	387,657	1,242,363	(0)
		6937497	C	P062000	RESEARCH AGREEMENT NO 4016	Brushett /Fikile R	09/01/17	02/28/19	114,083	100,000	(28,687)
		6937681	C	P267111	AGMT NO. 1921/R	Berggren /Karl K	09/01/16	11/30/19	0	12,311	3,577
		6937763	C	P068700	RESEARCH AGREEMENT NO. 4015	Polyanskiy /Yury	09/01/17	02/28/19	77,831	200,000	34
		6938709	C	P152000	RESEARCH AGREEMENT NO 4016	Willard /Adam P.	09/01/17	02/28/19	48,917	100,000	49,448
		6939405	C	P069200	AGREEMENT DATED 10/1/13	Bhatia /Sangeeta N	10/01/13	12/31/18	0	0	0
		6939523	C	P065004	1912/R	Hart /Anastasios John	09/01/16	11/30/19	10,953	9,000	(1,953)
		6939947	C	P069850	186-MRA	Grossman /Jeffrey C.	07/01/18	01/23/20	63,146	63,146	(0)
		<b>Total by Primary Sponsor</b>							<b>5,406,469</b>	<b>27,668,257</b>	<b>2,185,201</b>
011638 Heising-Simons Foundation	011638 Heising-Simons Foundation	6932507	G	P158000	GRANT 2015-076	Formaggio /Joseph A	09/01/15	08/31/20	9,955	675,692	152,511
		6935806	G	P158000	GRANT #2017-229	Conrad /Janet Marie	04/01/17	09/01/20	53,888	432,573	369,665
		6936339	G	P158000	GRANT #2017-243	Perez /Kerstin M.	06/01/17	05/31/22	(7,875)	154,318	1,205
		6936587	G	P158000	GRANT #2017-243	Perez /Kerstin M.	06/01/17	05/31/22	78,156	261,743	127,017
		6937098	G	P153000	GRANT #2017-383	de Wit /Julien	08/27/17	08/31/20	4,813	601,500	34,554

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		6938744	G	P158000	GRANT #2018-0766	Perez /Kerstin M.	06/01/18	05/31/21	153,053	550,000	396,947
		6938762	G	P158000	GRANT #2017-229	Conrad /Janet Marie	09/01/18	08/31/19	90,962	92,400	1,438
		6938965	G	P153000	2018-0906	Seager /Sara	07/01/18	10/31/19	149,365	150,088	723
		6938987	G	P320000	GRANT #2018-0869	Armstrong /Robert C	07/01/18	08/31/21	63,072	500,000	436,928
		6939265	G	P158000	GRANT #2017-243	Perez /Kerstin M.	06/01/17	05/31/22	141,809	153,956	12,147
		6940093	G	P153000	2018-1104	Seager /Sara	03/01/19	02/28/22	100,000	649,945	549,945
		6940515	G	P158000	GRANT # 2019-1271	Winslow /Lindley	03/01/19	07/31/21	0	150,000	150,000
		6940630	G	P153000	2019-1259	Seager /Sara	09/01/19	08/31/22	0	385,743	385,743
		Total by Primary Sponsor								837,197	4,757,958
011642 ENEL Foundation	011642 ENEL Foundation	6938159	C	P035000	EF/U/036/2017	Ratti /Carlo	11/01/17	02/28/20	43	100,000	99,957
		6938837	C	P068700	AGMT DTD 6/18/18	Botterud /Audun	06/18/18	12/17/18	56,326	60,744	(0)
	Total by Primary Sponsor								56,368	160,744	99,957
011655 International Growth Centre	006120 Harvard University	6937957	C	P091020	200481-5098142	Olken /Benjamin	09/12/16	05/31/19	11,573	19,824	8,251
	011655 International Growth Centre	6933836	C	P091020	1-VCS-VCCN-VXXXX-47302	Olken /Benjamin	11/01/15	09/30/16	0	9,720	267
		6937956	C	P091020	1-VRU-VNEC-VXXXX-89443	Donaldson /David John	10/31/17	05/31/19	14,508	90,000	70,870
	Total by Primary Sponsor								26,081	119,544	79,388
011657 Anheuser-Busch InBev	011657 Anheuser-Busch InBev	6936184	C	P121012	PO#480041976	Bertsimas /Dimitris J	02/01/17	12/31/19	244,221	600,000	26,541
	Total by Primary Sponsor								244,221	600,000	26,541
011659 Merck, Sharp and Dohme Corp	011659 Merck, Sharp and Dohme Corp	6937976	C	P062000	LKR#166342	Doyle /Patrick S	01/25/18	01/24/19	86,100	150,000	1,607
		6938827	C	P062000	LKR170504	Trout /Bernhardt L	06/01/18	05/31/20	82,801	296,522	213,721
	Total by Primary Sponsor								168,900	446,522	215,328

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011663 Leidos Biomedical Research Inc.	010085 The Broad Institute, Inc.	6940733	C	P039070	5101211-5500001186	Boyden /Edward	03/28/18	06/30/20	0	362,865	362,865
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>362,865</b>	<b>362,865</b>
011675 Moderna Therapeutics	011675 Moderna Therapeutics	6938778	C	P402000	PO#4500034040 / PAULA HAMMOND SRA EFFECTIVE 6-1-2018	Hammond /Paula T	06/01/18	05/31/19	76,327	95,409	19,082
	<b>Total by Primary Sponsor</b>								<b>76,327</b>	<b>95,409</b>	<b>19,082</b>
011677 Enel Ingegneria e Ricerca S.p.A.	011677 Enel Ingegneria e Ricerca S.p.A.	6929029	C	P320000	ENEL COMITES PROGRAM RESEARCH AGR EFF 5/1/2013	Stoner /Robert	05/01/13	03/31/15	0	224,217	(0)
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>224,217</b>	<b>(0)</b>
011685 Samsung Information Systems America, Inc.	011685 Samsung Information Systems America, Inc.	6929854	C	P039010	AGMT DATED 4/1/14	Lieberman /Henry A	04/01/14	09/30/14	0	74,557	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>74,557</b>	<b>0</b>
011689 BASF Corporation	011689 BASF Corporation	6932148	G	P267200	AGMT EFF. 8/31/15	Shao-Horn /Yang	08/01/15	12/31/19	152,562	840,000	63,658
		6937784	C	P067952	AGREEMENT DATED 12/15/17	Matusik /Wojciech	12/15/17	12/14/19	92,993	340,000	155,229
		6939905	C	P063000		Buehler /Markus J	09/01/18	08/31/19	24,181	180,000	155,819
		6939971	C	P067952	AGMT DTD 09/01/18	Matusik /Wojciech	09/01/18	08/31/19	202,040	220,000	17,960
	<b>Total by Primary Sponsor</b>								<b>471,775</b>	<b>1,580,000</b>	<b>392,667</b>
011693 Versalis S.p.A.	011693 Versalis S.p.A.	6929077	C	P320000	5210000541	Stephanopoulos /Gregory	01/01/14	12/31/16	0	751,250	(0)
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>751,250</b>	<b>(0)</b>
011694 Melanoma Research Alliance Foundation	005817 Dana Farber Cancer Institute	6939974	G	P152000	6326001	Pentelute /Bradley L.	06/01/18	05/31/19	0	0	0
		6939976	G	P152000	6326001	Pentelute /Bradley L.	06/01/18	05/31/19	39,208	50,243	11,035
	011694 Melanoma Research Alliance Foundation	6929852	G	P402000	306833	Irvine /Darrell J	05/15/14	05/14/18	(232)	250,045	0
		6929877	G	P402000	306833	Irvine /Darrell J	05/15/14	05/14/18	41,537	249,955	0
		6929878	G	P402000	306833	Irvine /Darrell J	05/15/14	05/14/18	321	250,000	0

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		6938537	G	P402000	MRA TEAM SCIENCE AWARD #565436	White /Forest M	06/01/18	05/31/19	15,126	25,000	9,874
		6938608	G	P402010	MRA TEAM SCIENCE AWARD #565436	Birnbaum /Michael E	06/01/18	05/31/19	50,664	50,000	(664)
		6938610	G	P402012	MRA TEAM SCIENCE AWARD #565436	Spranger-Zimmermann /Stefani	06/01/18	05/31/19	52,658	50,000	(3,975)
		6938612	G	P402010	MRA TEAM SCIENCE AWARD #565436	Wittrup /Karl Dane	06/01/18	05/31/19	24,188	25,000	(2,538)
	<b>Total by Primary Sponsor</b>								<b>223,469</b>	<b>950,243</b>	<b>13,732</b>
011704 HGST, a Western Digital company	011704 HGST, a Western Digital company	6936857	C	P060600	AGMT EFF. 7/1/17	Liu /Luqiao	07/01/17	06/30/18	(773)	50,000	0
	<b>Total by Primary Sponsor</b>								<b>(773)</b>	<b>50,000</b>	<b>0</b>
011723 Takeda Pharmaceuticals U.S.A., Inc.	011723 Takeda Pharmaceuticals U.S.A. Inc.	6938058	C	P067952	PO 4100201854	Kellis /Manolis	02/02/18	01/31/20	859,492	1,257,209	146,983
		6938115	G	P069201	CW2458819/PO 41002061	Sasisekharan /Ram	01/01/18	12/31/18	353,574	473,043	(0)
		6938187	C	P067952	PO 4100201854	Kellis /Manolis	02/02/18	01/31/20	169,079	333,484	164,405
		6938919	G	P402000	AGREEMENT DATED 6/12/18	Spranger-Zimmermann /Stefani	06/14/18	06/13/19	146,420	201,498	55,078
		6939007	C	P402000	AGREEMENT EFFECTIVE 7/11/18	Chen /Jianzhu	07/11/18	07/10/19	191,083	199,325	8,242
	<b>Total by Primary Sponsor</b>								<b>1,719,647</b>	<b>2,464,558</b>	<b>374,709</b>
011735 PUSAN NATIONAL UNIVERSITY	011735 PUSAN NATIONAL UNIVERSITY	6935076	G	P068000	AGREEMENT EFF. 06/01/2016	Short /Michael P	06/01/16	05/31/19	183,440	456,019	21,232
	<b>Total by Primary Sponsor</b>								<b>183,440</b>	<b>456,019</b>	<b>21,232</b>
011748 General Research Institute for Nonferrous Metals (GRINM)	011748 General Research Institute for Nonferrous Metals (GRINM)	6932942	G	P060600	AGMT DTD 1/1/2016	Schmidt /Martin Arnold	01/01/16	12/31/20	242,824	911,450	(138,956)
		6936565	G	P060600	AGMT DTD 1/1/2016	Schmidt /Martin Arnold	05/31/17	04/30/19	1,826	26,250	(7,291)
		6936628	G	P060600	AGMT DTD 1/1/2016	Schmidt /Martin Arnold	05/01/17	06/30/18	591	22,300	(8,227)
	<b>Total by Primary Sponsor</b>								<b>245,241</b>	<b>960,000</b>	<b>(154,474)</b>
011756 Equinor	011756 Equinor	6929241	C	P320000	MEMBER AGR NO.4502981450	Armstrong /Robert C	02/01/14	01/31/24	0	604,733	474,688



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		6932160	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR	Vandiver /John Kim	03/01/15	12/31/15	0	49,900	0
		6932672	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR	Short /Michael P	09/01/15	11/30/17	0	505,274	(0)
		6932693	C	P320000	UTILITY OF THE FUTURE STUDY (PHASE II) MEMBERSHIP AGR	Perez-Arriaga /Jose Ignacio	09/01/15	02/28/17	0	120,000	0
		6932876	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING	Varanasi /Kripa	09/01/15	12/31/18	43,509	502,339	(805)
		6933123	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING	Yildiz /Bilge	09/01/15	12/31/18	70,043	497,128	207
		6937112	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR	Yildiz /Bilge	09/01/17	09/30/17	0	5,210	0
		6937919	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR	Sakti /Apurba	11/01/17	10/31/19	173,158	233,379	41,620
		6938757	C	P320000	STATOIL PETROLEUM AS-MITEI SUSTAINING MEMBER AGR	Yildiz /Bilge	06/01/18	05/31/20	102,746	202,036	99,290
	<b>Total by Primary Sponsor</b>								<b>389,456</b>	<b>2,720,000</b>	<b>615,000</b>
011832 The Research Council of Norway	006849 Norwegian University of Science and Technology	6935767	C	P320000	FME HIGHEFF AGREEMENT 2017-02-02	Barton /Paul I	06/01/17	05/31/20	152,525	249,788	(1,870)
	102986 Uni Research Polytec AS	6937481	G	P065005	AGMT DTD 04/02/2017	Liu /Yuming	04/02/17	12/31/19	143,804	310,000	31,369
	<b>Total by Primary Sponsor</b>								<b>296,329</b>	<b>559,788</b>	<b>29,499</b>
011833 Norwegian University of Life Sciences	011833 Norwegian University of Life	6931549	G	P402000	PROJECT #239140	Langer /Robert S	01/01/15	12/31/18	(4,236)	470,500	255,009
	<b>Total by Primary Sponsor</b>								<b>(4,236)</b>	<b>470,500</b>	<b>255,009</b>
011835 Hyundai Motor Company	003088 Hyundai Motor Company	6938270	C	P065004	AGREEMENT DATED 3/1/18	Kim /Jeewan	03/01/18	04/30/19	163,867	174,202	(17,875)
	<b>Total by Primary Sponsor</b>								<b>163,867</b>	<b>174,202</b>	<b>(17,875)</b>
011854 Edwards Lifesciences LLC	011854 Edwards Lifesci	6932359	C	P061901	AGMT DATED JULY 23, 20	Edelman /Elazer R	04/19/15	06/30/19	208,404	1,487,999	398,879
	<b>Total by Primary Sponsor</b>								<b>208,404</b>	<b>1,487,999</b>	<b>398,879</b>
011859 The Grainger Foundation	011859 The Grainger Foundation	6933908	G	P063007	AGMT DTD 4/30/16	Williams /Earle R	04/01/16	09/30/20	104,874	413,228	158,836
	<b>Total by Primary Sponsor</b>								<b>104,874</b>	<b>413,228</b>	<b>158,836</b>
011888 Abu Dhabi National Oil Company (ADNOC)	011507 Khalifa Universi	6932769	C	P153000	AGREEMENT DATED 10/7	Einstein /Herbert H	09/01/15	06/30/19	858,632	2,569,597	554,029
	012177 The Petroleum Institute	6932705	C	P065005	AGMT SIGNED 10/25/2016	Wang /Evelyn	10/01/15	09/30/18	9,423	710,299	0

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		6933012	G	P066000	AGMNT DTD 11/1/15	Alexander-Katz /Alfredo	11/01/15	12/31/18	50,236	448,936	(0)
		<b>Total by Primary Sponsor</b>							<b>918,292</b>	<b>3,728,832</b>	<b>554,029</b>
011904 Novo Nordisk A/S	011904 Novo Nordisk A	6932251	G	P061901	AGMT 425717	Langer /Robert S	08/19/15	08/18/18	607,566	3,684,803	(0)
		6933432	C	P069201		White /Forest M	01/01/16	12/31/17	169	313,274	(0)
		6933823	C	P152000	AGMT. DTD. 5/1/16	Pentelute /Bradley L.	05/01/16	04/30/19	35,765	269,637	0
		6934238	G	P061901	AGMT 425717	Langer /Robert S	01/01/16	08/18/18	138,281	208,527	0
		6935435	C	P402000	AGREEMENT 12/15/2016	Anderson /Daniel Griffith	12/15/16	12/14/19	887,993	3,000,000	1,008,798
		6937792	C	P152000	ID CMS DOC #586981	Pentelute /Bradley L.	12/15/17	12/31/19	798,266	884,000	(171,327)
		6939213	C	P061901	AGREEMENT DTD 8/19/18	Langer /Robert S	08/19/18	08/18/19	1,937,967	198,255	(1,739,712)
		6939333	C	P061901	AGREEMENT DTD 8/19/18	Langer /Robert S	08/19/18	08/18/19	217,470	1,001,745	784,275
		6940037	C	P067952	CMS-654158	Kellis /Manolis	12/12/18	12/11/19	245,972	700,000	454,028
		6940309	C	P065005	CMS-657835	Traverso /Carlo Giovanni	02/01/19	01/31/21	375,785	1,088,172	712,388
		6940977	C	P152000	ID CMS DOC #586981	Pentelute /Bradley L.	04/01/19	08/01/19	7,726	16,000	8,274
		<b>Total by Primary Sponsor</b>							<b>5,252,960</b>	<b>11,364,412</b>	<b>1,056,723</b>
011921 Walton Family Foundation	006120 Harvard University	6936814	G	P400600	256457-5085564	Gabrieli /John D. E.	09/01/16	08/31/18	99,449	100,485	0
		6938337	G	P400600	256555-5106977	Gabrieli /John D. E.	09/01/17	08/31/19	40,817	75,000	34,183
		<b>Total by Primary Sponsor</b>							<b>140,266</b>	<b>175,485</b>	<b>34,183</b>
011922 Amsterdam Metropolitan Solutions Institute (AMS)	011922 Amsterdam Metropolitan Solutions Institute (AMS)	6934777	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	09/01/16	08/31/21	(12,806)	143,997	129,667
		6934778	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	09/01/16	08/31/21	465	0	0
		6935864	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	09/01/16	12/31/19	1,037,272	1,779,421	51,509

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		6935865	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	09/01/16	12/31/19	191,859	478,044	31,959
		6935866	C	P063007	AGMT DTD 02/13/2016	Whittle /Andrew	09/01/16	12/31/19	62,146	97,662	18,698
		6935867	C	P067952	AGMT DTD 02/13/2016	Rus /Daniela L	09/01/16	12/31/19	117,868	407,873	72,933
		6935868	C	P035000	AGMT DTD 02/13/2016	Frenchman /Dennis M	09/01/16	12/31/19	4,155	93,433	845
		6938107	C	P035000	AGMT DTD 02/13/2016	Ratti /Carlo	11/01/17	08/31/21	61,649	275,000	125,277
	<b>Total by Primary Sponsor</b>								<b>1,462,606</b>	<b>3,275,430</b>	<b>430,889</b>
011935 IKEA	011935 IKEA	6931631	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	01/01/15	12/31/15	0	99,971	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>99,971</b>	<b>0</b>
011937 Nuance Foundation, Inc	011937 Nuance Foundation, Inc	6931018	G	P400600	AGRMT DTD 9/19/14	Poggio /Tomaso A	12/01/14	11/30/17	(383)	294,830	(0)
	<b>Total by Primary Sponsor</b>								<b>(383)</b>	<b>294,830</b>	<b>(0)</b>
011941 TATA PROJECTS LIMITED	011941 TATA PROJECTS LIMITED	6931919	G	P065005	SRA DTD. 07/16/2015	Winter /Amos G	07/01/15	08/31/19	208,225	662,168	(169,264)
		6940207	G	P065005	SRA DTD. 07/16/2015	Winter /Amos G	06/24/18	08/31/19	171,913	171,000	(913)
	<b>Total by Primary Sponsor</b>								<b>380,137</b>	<b>833,168</b>	<b>(170,177)</b>
011948 Democracy Fund, Inc.	011948 Democracy Fund, Inc.	6937493	G	P095500	R-201708-02076	Stewart /Charles H	12/01/17	11/30/19	145,383	400,000	229,615
	<b>Total by Primary Sponsor</b>								<b>145,383</b>	<b>400,000</b>	<b>229,615</b>
011965 Merck, Sharpe and Dohme Corp	011965 Merck, Sharpe and Dohme Corp	6936869	C	P061901	LKR157861	Shalek /Alexander K	09/12/17	03/11/20	170,853	394,866	16,894
	<b>Total by Primary Sponsor</b>								<b>170,853</b>	<b>394,866</b>	<b>16,894</b>
011970 Wistron Corporation	011970 Wistron Corporation	6930430	C	P067952	CONTRACT NO. 1030826	Rus /Daniela L	09/01/14	08/31/18	0	0	0
		6930431	C	P067950	CONTRACT NO. 1030826	Rus /Daniela L	09/01/14	08/31/18	0	456,726	(0)
		6930432	C	P067952	CONTRACT NO. 1030826	Golland /Polina	09/01/14	08/31/18	0	600,193	(0)

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		6930433	C	P067952	CONTRACT NO. 1030826	Rudin /Cynthia	09/01/14	08/31/16	0	299,178	0
		6930434	C	P067952	CONTRACT NO. 1030826	Karger /David R	09/01/14	08/31/18	(9,266)	546,202	(0)
		6930792	C	P067952	CONTRACT NO. 1030826	Katabi /Dina	09/01/14	08/31/18	0	735,183	63
		6931645	C	P067952	CONTRACT NO. 1030826	Jackson /Daniel	09/01/14	08/31/18	0	347,369	0
		6932003	C	P067952	CONTRACT NO. 1030826	Katabi /Dina	01/01/15	08/31/18	0	165,149	0
		6937050	C	P067950	AGMT. DTD. 9/1/17	Rus /Daniela L	09/01/17	08/31/19	0	0	0
		6937863	C	P067950	AGMT. DTD. 9/1/17	Rus /Daniela L	07/01/17	08/31/19	119,266	300,000	36,594
		6937864	C	P067952	AGMT. DTD. 9/1/17	Katabi /Dina	09/01/17	08/31/19	150,293	600,000	232,438
		6937865	C	P067952	AGMT. DTD. 9/1/17	Golland /Polina	09/01/17	08/31/19	400,125	600,000	46,453
		6937866	C	P067952	AGMT. DTD. 9/1/17	Guttag /John V	09/01/17	08/31/19	560,414	600,000	(82,011)
		Total by Primary Sponsor								1,220,832	5,250,000
011971 FutureWei (R&D) USA Headquarters	011971 FutureWei (R&D) USA Headquarters	6933011	C	P069850	AGREEMENT DATED 11/15/15	Michel /Jurgen	11/15/15	11/14/18	281,985	694,325	(0)
Total by Primary Sponsor								281,985	694,325	(0)	
011980 Ping An Technology	011980 Ping An Technology	6931181	C	P067950	AGREEMENT DATED JANUARY 1, 2015	Rus /Daniela L	01/01/15	12/31/18	8,810	651,815	47
		6931182	C	P067952	AGREEMENT DATED JANUARY 1, 2015	Rus /Daniela L	01/01/15	12/31/18	17,150	822,411	(383)
		6931183	C	P067952	AGREEMENT DATED JANUARY 1, 2015	Glass /James R	01/01/15	12/31/18	(68,302)	771,053	292
		6931184	C	P067952	AGREEMENT DATED JANUARY 1, 2015	Glass /James R	01/01/15	12/31/18	16,514	754,721	(40)
		6937935	C	P067952	AGMT DTD 1/1/18	Glass /James R	01/01/18	12/31/19	193,706	300,000	83,838
	Total by Primary Sponsor								167,879	3,300,000	83,753
011985 Interlub, S.A. de C.V.	011985 Interlub, S.A. de C.V.	6930697	C	P066000	RESEARCH AGREEMENT 9/1/2014	Holten-Andersen /Niels	09/01/14	08/31/16	0	160,000	4,301
Total by Primary Sponsor								0	160,000	4,301	

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011996 Sarepta Therapeutics Inc	011996 Sarepta Therapeutics Inc	6931659	C	P152000	AGREEMENT EFFECTIVE 3/9/2015	Pentelute /Bradley L.	03/16/15	01/31/22	171,305	657,399	147,051
		6932141	C	P152000	AGREEMENT EFFECTIVE 3/9/2015	Pentelute /Bradley L.	05/28/15	07/15/16	0	23,515	0
		6932419	C	P152000	SRPT105362	Pentelute /Bradley L.	06/17/15	06/30/21	473,486	1,827,877	13,528
	<b>Total by Primary Sponsor</b>								<b>644,792</b>	<b>2,508,792</b>	<b>160,579</b>
012014 Sunovion Pharmaceuticals Inc.	012014 Sunovion Pharr	6935081	G	P400600	AGREEMENT DATED 10-1	Whitfield-Gabrieli /Susan	10/01/16	06/30/19	14,165	63,541	62
	<b>Total by Primary Sponsor</b>								<b>14,165</b>	<b>63,541</b>	<b>62</b>
012030 Transatomic Power	012030 Transatomic Power	6931175	C	P068000	AGRMNT EFFECTED 12/15/2014	Short /Michael P	11/01/14	12/14/17	(20,499)	963,207	0
	<b>Total by Primary Sponsor</b>								<b>(20,499)</b>	<b>963,207</b>	<b>0</b>
012031 American Forest and Paper Association	012031 American Fores	6931609	C	P066000	RESEARCH AGREEMENT	Olivetti /Elsa A	02/01/15	06/30/19	23,098	330,000	(3,097)
	<b>Total by Primary Sponsor</b>								<b>23,098</b>	<b>330,000</b>	<b>(3,097)</b>
012043 SHANGHAI INSTITUTE OF NUCLEAR APPLIED PHYSICS, CHINESE ACADEMY	012043 SHANGHAI INSTITUTE OF NUCLEAR APPLIED PHYSICS, CHINESE ACADEMY	6931460	G	P264000	SINAP MASTER RESEARCH AGREEMENT	Forsberg /Charles W	07/01/15	06/30/18	(34,569)	330,914	28,643
		6931461	G	P264000	SINAP MASTER RESEARCH AGREEMENT	Forsberg /Charles W	07/01/15	12/31/18	52,408	454,960	5,137
		6931462	G	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	07/01/15	09/30/19	52,598	647,586	260,277
		6931463	G	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	07/01/15	06/30/18	21	637,987	9,888
		6934128	G	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	05/17/16	12/31/16	0	40,277	0
		6939823	G	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	09/01/18	08/31/20	2,131	152,926	150,795
		6939824	G	P264000	SINAP MASTER RESEARCH AGREEMENT	Hu /Lin-Wen	09/01/18	08/31/20	7,695	71,562	63,867
		6939825	G	P264000	SINAP MASTER RESEARCH AGREEMENT	Forsberg /Charles W	09/01/18	08/31/20	118,978	98,901	(20,077)
		6939826	G	P264000	SINAP MASTER RESEARCH AGREEMENT	Forsberg /Charles W	09/01/18	08/31/20	115,011	87,188	(27,823)
	<b>Total by Primary Sponsor</b>								<b>314,274</b>	<b>2,522,301</b>	<b>470,708</b>
012052 Massachusetts Department of Public Health	012052 Massachusetts Department of Public Health	6936111	C	P063007	INTF7900HH2500224542	Eltahir /Elfatih A. B.	04/04/17	08/31/17	0	56,472	(8,325)

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Public Health		6937766	C	P063007	INTF7900H78500224643	Eltahir /Elfatih A. B.	09/01/17	08/31/19	585	91,399	37,007
		6938738	C	P063007	INTF7900H78500224643	Eltahir /Elfatih A. B.	09/01/17	08/31/19	21,696	21,545	(151)
		<b>Total by Primary Sponsor</b>							<b>22,281</b>	<b>169,416</b>	<b>28,531</b>
012065 Hangzhou Jinjiang Group	012065 Hangzhou Jinjiang Group	6931401	C	P069850	AGRMNT EFFECTVE 11/01/2014	Kirchain /Randolph E	11/01/14	06/30/17	0	299,246	50,081
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>299,246</b>	<b>50,081</b>
012076 The Leona M. and Harry B. Helmsley Charitable Trust	012076 The Leona M. and Harry B. Helmsley Charitable Trust	6931376	G	P062000	#2015PG-T1D063	Anderson /Daniel Griffith	12/01/14	05/31/19	0	296,004	(1)
		6933636	G	P062000	#2015PG-T1D063	Anderson /Daniel Griffith	12/01/15	07/31/17	0	847,189	0
		6935713	G	P062000	#2015PG-T1D063	Anderson /Daniel Griffith	12/01/16	11/30/17	0	265,618	(0)
		6937880	G	P062000	#2015PG-T1D063	Anderson /Daniel Griffith	12/01/17	11/30/19	228,718	468,137	172,126
		6940047	G	P267600	GRANT #3239	Lu /Timothy K	12/01/18	11/30/19	63,520	381,200	317,680
		6940534	G	P065005	GRANT #1911-03347	Traverso /Carlo Giovanni	03/01/19	03/31/20	146,786	1,312,740	1,165,954
		6940738	G	P065005	GRANT #3239	Traverso /Carlo Giovanni	12/01/18	11/30/19	25,708	420,800	395,092
	<b>Total by Primary Sponsor</b>								<b>464,732</b>	<b>3,991,689</b>	<b>2,050,850</b>
012102 Northrop Grumman Corporation	012102 Northrop Grumman Corporation	6932847	C	P061096	PO 7500141758	Tan /Choon S	09/01/15	07/31/19	238,925	750,000	(395)
		6935808	C	P067952	AGMT. DTD. 9/1/09	Shrobe /Howard E	09/01/16	08/31/17	0	0	0
		6935809	C	P069400	AGMT. DTD. 9/1/09	Pentland /Alex Paul	09/01/16	08/31/17	0	191,654	(0)
		6937568	C	P067952	AGMT. DTD. 9/1/09	Kagal /Lalana S	10/01/17	08/31/19	203,894	246,442	1,184
		6937569	C	P069400	AGMT. DTD. 9/1/09	Pentland /Alex Paul	10/01/17	09/30/18	46,590	145,000	(0)
	<b>Total by Primary Sponsor</b>								<b>489,409</b>	<b>1,333,096</b>	<b>789</b>
012120 ExxonMobil Global Services Company	012120 ExxonMobil Global Services Company	6933820	C	P320000	EXXON-MOBIL MEMBER AGMT 10/1/14	Fisher /John W	03/01/16	02/28/18	(16,271)	637,179	1,898

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	<b>Total by Primary Sponsor</b>								<b>(16,271)</b>	<b>637,179</b>	<b>1,898</b>
012130 Wuxi Wei High-technology Group Co., LTD	012130 Wuxi Weifu High-technology Group Co., LTD	6937727	C	P068000	AGREEMENT DATED 8/1/17	Li /Ju	08/01/17	10/31/17	(6)	41,625	(0)
		6937729	C	P068000	AGREEMENT DATED 12/1/17	Li /Ju	12/01/17	12/31/19	159,434	249,840	(17,196)
	<b>Total by Primary Sponsor</b>								<b>159,428</b>	<b>291,465</b>	<b>(17,196)</b>
012137 MKS Instruments	012137 MKS Instruments	6932161	C	P060600	MKS INSTRUMENTS	Perreault /David J	07/01/15	06/30/19	0	0	0
		6932314	C	P267110	AGREEMENT DTD 7/1/15	Perreault /David J	07/01/15	06/30/19	170,623	408,085	(23,975)
	<b>Total by Primary Sponsor</b>								<b>170,623</b>	<b>408,085</b>	<b>(23,975)</b>
012168 The G. Harold & Leila Y. Mathers Charitable Foundation	012168 The G. Harold & Leila Y. Mathers Charitable Foundation	6931535	G	P400600	MIT141	Fee /Michale Sean	02/01/15	05/01/19	187,038	964,802	0
		6938844	G	P152000	MIT183	Shoulders /Matthew D.	06/15/18	08/31/19	260,880	194,978	(65,902)
		6938859	G	P400600	AGREEMENT DTD. 5/25/18	Zhang /Feng	06/15/18	06/14/21	0	250,000	250,000
		6938863	G	P151065	MIT181	Boyer /Laurie Ann	06/15/18	09/15/19	263,919	247,500	(16,419)
		6939159	G	P152000	MIT183	Shoulders /Matthew D.	06/15/18	06/14/19	0	55,022	55,022
	<b>Total by Primary Sponsor</b>								<b>711,837</b>	<b>1,712,302</b>	<b>222,701</b>
012175 Universidad Autonoma de Mexico	012175 Universidad Autonoma de Mexico	6933692	C	P065004	INVOICES: 90257867 & 90265199	Buonassisi /Anthony	04/01/16	03/31/18	(3,788)	100,000	(570)
	<b>Total by Primary Sponsor</b>								<b>(3,788)</b>	<b>100,000</b>	<b>(570)</b>
012193 New York State Department of Health	005281 Burke Medical Research Institute	6937149	G	P065004	NYS-C32090M	Krebs /Hermano I	01/01/17	12/31/17	0	14,738	0
		6938480	G	P065004	NYS-C32090M	Krebs /Hermano I	01/01/18	12/31/18	15,262	15,262	0
	<b>Total by Primary Sponsor</b>								<b>15,262</b>	<b>30,000</b>	<b>0</b>
012208 Swiss Reinsurance Company Ltd	012208 Swiss Reinsurance Company Ltd	6937215	C	P121012	PO CH2-40037976	Bertsimas /Dimitris J	09/01/17	08/31/19	333,437	600,000	25,114
	<b>Total by Primary Sponsor</b>								<b>333,437</b>	<b>600,000</b>	<b>25,114</b>
012216 OCP S.A.	012216 OCP S.A.	6932743	C	P063076	AGMT DATED 9/28/2015	Eltahir /Elfatih A. B.	10/01/15	09/30/21	0	401,390	401,390

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		6934050	C	P063076	AGMT DATED 9/28/2015	Eltahir /Elfatih A. B.	10/01/15	09/30/21	250,359	1,500,000	703,349
		6934320	C	P063076	AGMT DATED 9/28/2015	Eltahir /Elfatih A. B.	09/01/16	09/30/21	131,872	799,093	468,092
		6934826	C	P063076	AGMT DATED 9/28/2015	Cummins /Christopher C	10/01/16	09/30/21	56,697	225,000	(25,101)
		6935996	C	P063076	AGMT DATED 9/28/2015	Fernandez /John	10/01/16	09/30/21	157,455	749,563	446,989
		6935997	C	P063076	AGMT DATED 9/28/2015	Barton /Paul I	10/01/16	09/30/21	205,899	750,000	416,147
		6935998	C	P063076	AGMT DATED 9/28/2015	Marelli /Benedetto	10/01/16	09/30/21	187,756	749,954	272,519
		6937374	C	P063076	AGMT DATED 9/28/2015	Surendranath /Yogesh	10/01/16	09/30/21	23,458	75,000	(3,704)
		6940719	C	P417500	AGMT DTD 2/1/19	Allanore /Antoine	02/01/19	01/31/22	0	0	0
		6940734	C	P417500	AGMT DTD 2/1/19	Allanore /Antoine	02/01/19	01/31/22	970	159,051	158,081
		<b>Total by Primary Sponsor</b>							<b>1,014,465</b>	<b>5,409,051</b>	<b>2,837,762</b>
012223 AIRBUS DS North America	012223 AIRBUS DS North America	6938369	G	P061093	SOW NO. 2	Balakrishnan /Hamsa	02/01/18	05/31/19	80,362	100,000	(10)
		6938489	G	P069400	SOW NO. 40090	Pentland /Alex Paul	07/01/17	06/30/18	3,316	397,086	0
	<b>Total by Primary Sponsor</b>								<b>83,678</b>	<b>497,086</b>	<b>(10)</b>
012227 Abdul Latif Jameel Community Initiatives International Limited	012227 Abdul Latif Jameel Community Initiatives International Limited	6931848	G	P402410	AGREEMNT DTD 04/21/2015	Lienhard /John H	04/21/15	04/20/20	2,944	1,704,136	1,701,074
		6932868	G	P402410	AGMT. DTD. 4/21/2015	Strano /Michael S.	09/01/15	08/31/17	0	149,929	(0)
		6932869	G	P402410	AGREEMNT DTD 04/21/2015	Grossman /Jeffrey C.	09/01/15	08/31/16	0	149,893	(0)
		6933057	G	P402410	AGMT. DTD. 4/21/2015	Sinskey /Anthony J	09/01/15	12/31/17	0	150,000	0
		6934781	G	P402410	AGREEMNT DTD 04/21/2015	Chen /Gang	09/01/16	11/30/17	0	150,000	0
		6934782	G	P402410	AGREEMNT DTD 04/21/2015	Halton /Trevor Alan	09/01/16	08/31/17	0	150,000	(0)
		6934783	G	P402410	AGREEMNT DTD 04/21/2015	Karnik /Rohit	09/01/16	08/31/18	7,201	127,271	3,381



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		6934947	G	P402410	AGREEMNT DTD 04/21/2015	Klibanov /Alexander M	09/01/16	08/31/18	23,538	300,000	0
		6935043	G	P402410	AGREEMNT DTD 04/21/2015	Smith /Amy B	09/01/16	12/31/18	47,555	172,729	(65)
		6937219	G	P402410	AGREEMNT DTD 04/21/2015	Lienhard /John H	09/01/17	08/31/19	68,989	150,000	7,616
		6937220	G	P402410	AGREEMNT DTD 04/21/2015	Varanasi /Kripa	09/01/17	06/30/20	99,249	300,000	153,832
		6937538	G	P402410	AGREEMNT DTD 04/21/2015	Sarma /Sanjay E	09/01/17	12/31/18	54,691	99,918	0
		6939696	G	P402410	AGREEMNT DTD 04/21/2015	Ghoniem /Ahmed F	09/01/18	08/31/19	88,043	139,624	51,581
		6939709	G	P402410	AGREEMNT DTD 04/21/2015	Ravel /Jeffrey S	09/01/18	08/31/19	93,664	150,000	56,336
		6939783	G	P402410	AGREEMNT DTD 04/21/2015	Hart /Anastasios John	09/01/18	06/30/20	18,141	150,000	131,859
		6940507	G	P402410	AGREEMNT DTD 04/21/2015	Ghoniem /Ahmed F	03/01/19	08/31/19	4,993	6,500	1,507
		<b>Total by Primary Sponsor</b>							<b>509,008</b>	<b>4,050,000</b>	<b>2,107,120</b>
012229 Kenneth Rainin Foundation	012229 Kenneth Rainin Foundation	6932570	G	P267600	GRANT NO. 2015-735	Lu /Timothy K	10/01/15	09/30/16	0	100,000	(10,548)
		6935436	G	P267600	2016-3066	Lu /Timothy K	10/01/16	09/30/18	52,484	191,399	(0)
	<b>Total by Primary Sponsor</b>								<b>52,484</b>	<b>291,399</b>	<b>(10,548)</b>
012234 ActuaTech Foundation	012234 ActuaTech Foundation	6931842	C	P039010	MEDIA LAB CONSORTIA	Larson /Kent	05/01/15	04/30/20	291,576	3,100,000	259,100
	<b>Total by Primary Sponsor</b>								<b>291,576</b>	<b>3,100,000</b>	<b>259,100</b>
012239 Novo Nordisk Foundation	007787 Whitehead Institute/Biomedical Research	6938161	C	P402000	30-1915-9902	Sharp /Phillip A	12/15/17	12/14/19	54,479	231,521	174,564
		6938277	C	P069201	30-1915-9902	Griffith /Linda G	12/15/17	12/14/19	285,283	736,344	437,640
		6939772	C	P069201	30-1915-9902	Griffith /Linda G	10/01/18	04/30/19	8,576	16,200	7,624
	011715 University of Copenhagen	6934306	C	P062000	LTR. AGREEMENT	Stephanopoulos /Gregory	06/01/16	06/15/18	197	304,785	51,147
	<b>Total by Primary Sponsor</b>								<b>348,535</b>	<b>1,288,850</b>	<b>670,976</b>

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100000 Future Of Life Institute	100000 Future Of Life Institute	6939761	G	P154500	2018-190186 (5388)	Tenenbaum /Joshua B	09/01/18	08/31/20	38,432	75,000	36,568
	<b>Total by Primary Sponsor</b>								<b>38,432</b>	<b>75,000</b>	<b>36,568</b>
100185 British Academy for the Humanities and Social Sciences	100185 British Academy for the Humanities and Social Sciences	6937094	C	P091020	EC170116	Duflo /Esther	08/31/17	03/29/19	407,102	450,000	(19,435)
	<b>Total by Primary Sponsor</b>								<b>407,102</b>	<b>450,000</b>	<b>(19,435)</b>
100202 Clinical Research Associates, LLC	100202 Clinical Research Associates, LLC	6935350	G	P400600	507562	Robertson /Caroline	11/01/16	08/31/19	0	0	0
		6935361	G	P400600		Robertson /Caroline	11/01/16	10/31/17	0	96,889	0
		6937720	G	P400600	507562	Robertson /Caroline	11/01/17	08/31/19	78,753	172,453	(873)
	<b>Total by Primary Sponsor</b>								<b>78,753</b>	<b>269,342</b>	<b>(873)</b>
100223 B2W Companhia Digital	100223 B2W Companhia Digital	6938616	C	P069500	AGMNT DTD 7/1/18	Caplice /Christopher	07/01/18	06/30/19	247,237	200,000	(47,237)
	<b>Total by Primary Sponsor</b>								<b>247,237</b>	<b>200,000</b>	<b>(47,237)</b>
100244 The Manton Foundation	100244 The Manton Foundation	6932469	G	P069201	LETTER DATED AUGUST 7, 2015	Griffith /Linda G	09/01/15	08/31/19	73	740,000	5,906
		6936001	G	P069201	LETTER DATED AUGUST 7, 2015	Griffith /Linda G	09/01/17	08/31/19	689,111	1,600,000	657,182
	<b>Total by Primary Sponsor</b>								<b>689,184</b>	<b>2,340,000</b>	<b>663,088</b>
100249 HeHa Digital Health Limited	100249 HeHa Digital Health Limited	6932325	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	07/01/15	06/30/16	0	398,000	(0)
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>398,000</b>	<b>(0)</b>
100322 Ormco Corp.	100322 Ormco Corp.	6933425	C	P069850	AGREEMENT DATED 1/1/16	Schuh /Christopher A	01/01/16	12/31/18	36,772	425,000	(19,379)
	<b>Total by Primary Sponsor</b>								<b>36,772</b>	<b>425,000</b>	<b>(19,379)</b>
100342 Boston Scientific Corporation	100342 Boston Scientific Corporation	6932540	C	P061901	AGREEMENT DATED 8/11/2015	Edelman /Elazer R	08/01/15	12/31/19	66,162	631,569	8,336
	<b>Total by Primary Sponsor</b>								<b>66,162</b>	<b>631,569</b>	<b>8,336</b>
100403 Tavarua International Inc.	100403 Tavarua International Inc.	6926050	C	P069850	AGMT. DTD. 4/1/12	Allanore /Antoine	04/01/12	12/31/17	(573)	3,468,493	0
	<b>Total by Primary Sponsor</b>								<b>(573)</b>	<b>3,468,493</b>	<b>0</b>
100464 TransitCenter	100464 TransitCenter	6932999	C	P035000	AGMT DTD 2/4/16	Zegras /Pericles C	01/01/16	10/31/17	(857)	149,623	(0)

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	<b>Total by Primary Sponsor</b>								<b>(857)</b>	<b>149,623</b>	<b>(0)</b>
100548 King Abdullah University of Science and Technology (KAUST)	100548 King Abdullah University of Science and Technology (KAUST)	6933238	G	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	06/30/16	0	83,017	0
		6933500	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	01/01/16	06/30/20	0	0	0
		6933543	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	09/10/15	06/30/16	0	53,629	(0)
		6933841	C	P267300	OSR-2015-CRG4-2634	Kong /Jing	04/01/16	03/31/19	0	0	0
		6934157	C	P267300	OSR-2015-CRG4-2634	Kong /Jing	04/01/16	06/30/17	0	0	0
		6934158	C	P267300	OSR-2015-CRG4-2634	Kong /Jing	04/01/16	06/30/17	0	97,116	0
		6934159	C	P267300	OSR-2015-CRG4-2634	Van Voorhis /Troy	04/01/16	06/30/17	0	92,025	0
		6934406	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/16	06/30/17	0	110,856	(0)
		6935165	G	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	06/30/17	0	0	0
		6935166	G	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	12/31/16	0	77,779	0
		6935167	G	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	06/30/17	0	126,564	(0)
		6935168	G	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	06/30/18	0	0	0
		6935169	G	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	12/31/17	0	106,617	(0)
		6935170	G	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	06/30/18	(2,033)	103,102	0
		6935174	G	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	09/10/15	12/31/18	106,838	107,728	890
		6935347	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	05/01/17	06/30/17	0	9,882	5,550
		6936217	G	P065005	OSR-2016-RPP-3268.03	Lermusiaux /Pierre	05/01/17	04/30/19	34,401	109,997	23,562
		6936243	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/17	06/30/18	4,399	59,571	0
		6936245	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/18	06/30/19	10,341	60,138	49,797
		6936247	C	P065004	OSR-2016-CRG5-2950-01	Fang /Xuanlai	07/01/19	03/31/20	0	45,468	45,468

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		6936427	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/17	06/30/18	678	110,083	(0)
		6936688	C	P267300	OSR-2015-CRG4-2634	Kong /Jing	04/01/16	06/30/18	568	109,641	(0)
		6936789	C	P267300	OSR-2015-CRG4-2634	Van Voorhis /Troy	04/01/16	06/30/18	2,285	117,357	(0)
		6937874	C	P065004	OSR-2017-CRG6-3408.02	Akylas /Triantaphyllos R	04/01/18	06/30/18	0	15,477	(67)
		6937875	C	P065004	OSR-2017-CRG6-3408.02	Akylas /Triantaphyllos R	07/01/18	06/30/19	34,669	34,875	206
		6937876	C	P065004	OSR-2017-CRG6-3408.02	Akylas /Triantaphyllos R	07/01/19	06/30/20	0	35,923	35,923
		6937877	C	P065004	OSR-2017-CRG6-3408.02	Akylas /Triantaphyllos R	07/01/20	03/31/21	0	36,999	36,999
		6938660	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/18	06/30/19	115,221	113,710	(1,511)
		6939763	C	P267300	OSR-2015-CRG4-2634	Van Voorhis /Troy	07/01/18	03/31/19	60,870	60,617	(253)
		6939764	C	P267300	OSR-2015-CRG4-2634	Kong /Jing	07/01/18	03/31/19	64,153	63,148	(1,005)
		6940677	G	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	01/01/19	06/30/19	101,125	105,856	4,731
		6940679	G	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	07/01/19	12/31/19	0	105,856	105,856
		6940681	G	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	01/01/20	06/30/20	0	105,856	105,856
		6940683	G	P152000	OSR-2015-SENSORS-2715	Swager /Timothy M	07/01/20	12/31/20	0	105,856	105,856
		6940753	C	P068700	OSR-2018-CRG7-3756.2	Dahleh /Munther A	04/01/19	03/31/22	0	22,624	22,624
		6940868	C	P062000	OSR-2015-SENSORS 2707	Strano /Michael S.	07/01/19	06/30/20	0	113,130	113,130
		Total by Primary Sponsor									533,515
100563 Lockheed Martin	100563 Lockheed Martin	6934785	C	P067952	PO #4102647653	Shah /Julie A	08/01/16	07/31/19	87,236	250,000	26,221
		6936284	G	P266300	2017-001/PO4103956705	Triantafyllou /Michael S	04/28/17	06/30/19	86,597	122,401	(38,328)
		6936954	G	P266300	2017-001	Triantafyllou /Michael S	04/28/17	06/30/19	28,715	42,599	(1,652)
	Total by Primary Sponsor									202,548	415,000
100623 International Rett Syndrome Foundation	100623 International Rett Syndrome Foundation	6936749	G	P159300	IRSF FILE NO. 3506	Sur /Mriganka	07/01/17	06/30/18	18,957	46,200	19
	Total by Primary Sponsor									18,957	46,200

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100642 Modern Technology Solutions, Inc.	100642 Modern Technology Solutions, Inc.	6934005	G	P063007	AGMT DTD 5/2/16	Amin /Saurabh	05/02/16	02/25/18	1	100,000	0
	<b>Total by Primary Sponsor</b>								<b>1</b>	<b>100,000</b>	<b>0</b>
100702 Andiscern Corporation	100702 Andiscern Corporation	6934200	G	P068000	LTR. AGREEMENT	Danagoulain /Areg	05/31/16	12/31/19	6,611	174,727	20,167
	<b>Total by Primary Sponsor</b>								<b>6,611</b>	<b>174,727</b>	<b>20,167</b>
100742 Abiomed	100742 Abiomed	6933597	G	P061901	AGMT EFF DATE 5/1/16	Edelman /Elazer R	05/01/16	04/30/22	285,974	2,528,540	1,804,297
	<b>Total by Primary Sponsor</b>								<b>285,974</b>	<b>2,528,540</b>	<b>1,804,297</b>
100765 BNP Paribas Cardif	100765 BNP Paribas Cardif	6933509	G	P093800	AGREEMENT DATED 1/1/2016	Casalegno /Federico	01/01/16	12/31/17	(1,153)	411,014	(0)
	<b>Total by Primary Sponsor</b>								<b>(1,153)</b>	<b>411,014</b>	<b>(0)</b>
100783 Array BioPharma Inc.	100783 Array BioPharm Inc.	6933833	C	P069201	SRA DTD. 12/15/2016	White /Forest M	04/01/16	04/01/20	48,695	150,000	26,400
		6934213	C	P069201		Lauffenburger /Douglas A	04/01/16	04/01/20	5,447	75,000	502
	<b>Total by Primary Sponsor</b>								<b>54,142</b>	<b>225,000</b>	<b>26,902</b>
100785 Northrop Grumman Information Systems Sector	100785 Northrop Grumman Information Systems Sector	6920761	C	P067950	AGMT. DTD. 9/1/09	Rus /Daniela L	09/01/09	08/31/19	0	0	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>0</b>	<b>0</b>
100825 Cardiatis S.A. Limited	100825 Cardiatis S.A. Limited	6932976	G	P061901	AGMT. EXEC. DATE 4/11/16	Edelman /Elazer R	04/01/16	03/31/19	91,899	298,207	(46,390)
	<b>Total by Primary Sponsor</b>								<b>91,899</b>	<b>298,207</b>	<b>(46,390)</b>
100865 Shumway Capital	100865 Shumway Capit	6934712	G	P069201	AGREEMENT EFF. 08/31/2016	Alm /Eric J	08/31/16	01/31/18	(94,387)	471,000	(2,943)
	<b>Total by Primary Sponsor</b>								<b>(94,387)</b>	<b>471,000</b>	<b>(2,943)</b>
100982 F. Hoffmann-La Roche Ltd	100982 F. Hoffmann-La Roche Ltd	6934144	C	P402000	AGREEMENT DATED 10/1/2015	Langer /Robert S	05/01/16	04/30/18	(9,786)	734,286	(308)
	<b>Total by Primary Sponsor</b>								<b>(9,786)</b>	<b>734,286</b>	<b>(308)</b>
100986 Appia LLC	100986 Appia LLC	6936231	C	P062000	RESEARCH AGREEMENT DATED 4/1/2017	Olsen /Bradley D.	04/01/17	09/01/18	29,580	69,661	(0)

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	<b>Total by Primary Sponsor</b>								<b>29,580</b>	<b>69,661</b>	<b>(0)</b>
101032 Philips Research North America	101032 Philips Research North America	6936540	C	P067952	EXHIBIT B-9 AGMT DATED 6/1/17	Golland /Polina	06/01/17	05/31/19	102,433	323,358	21,563
		6936693	G	P067952	PO 4520169503 - EFF 5/19/15 MRCA (HEALTH TECH)	Golland /Polina	07/01/17	06/30/18	18,561	158,919	5,089
		6938036	G	P067952	PO 4520217705	Barzilay /Regina	01/01/18	12/31/18	107,533	195,886	62,623
	<b>Total by Primary Sponsor</b>								<b>228,526</b>	<b>678,163</b>	<b>89,275</b>
101069 ProTom International Holding Corporation	101069 ProTom International Holding Corporation	6937338	C	P159900	AGREEMENT DATED SEP 1, 2017	Redwine /Robert P	09/01/17	05/31/20	9,117	553,000	542,680
	<b>Total by Primary Sponsor</b>								<b>9,117</b>	<b>553,000</b>	<b>542,680</b>
101142 MassBays National Estuary Program	101142 MassBays National Estuary Program	6934230	G	P266300	ENV 16 CZM 06	Chryssostomidis /Chryssostomo	06/14/16	10/31/17	(2,663)	28,500	0
	<b>Total by Primary Sponsor</b>								<b>(2,663)</b>	<b>28,500</b>	<b>0</b>
101182 Calico Life Sciences LLC	101182 Calico Life Sciences LLC	6933578	C	P402000	AGREEMENT DATED 2/16/2016	Vander Heiden /Matthew G.	04/16/16	12/31/19	129,952	801,401	139,504
		6933837	C	P402000	AGREEMENT DATED 2/16/2016	Jacks /Tyler E	04/01/16	12/31/19	204,823	1,092,440	64,277
		6940814	C	P152000	TBD	Pentelute /Bradley L.	03/15/19	03/14/21	11,337	1,338,500	1,327,163
	<b>Total by Primary Sponsor</b>								<b>346,112</b>	<b>3,232,341</b>	<b>1,530,944</b>
101184 PUMA SE	101184 PUMA SE	6935183	G	P093800	AGREEMENT EFFECTIVE 01/01/2017	Paradis /James G	01/01/17	12/31/19	438,113	1,500,000	196,416
	<b>Total by Primary Sponsor</b>								<b>438,113</b>	<b>1,500,000</b>	<b>196,416</b>
101222 Acceleron Pharma, Inc.	101222 Acceleron Pharma, Inc.	6933594	G	P061901	AGMT EFFECTIVE DATE 7/15/16	Liau /Jane-Jane Chen	07/15/16	02/28/20	133,871	279,685	11,788
	<b>Total by Primary Sponsor</b>								<b>133,871</b>	<b>279,685</b>	<b>11,788</b>
101244 Ferrero International SA	101244 Ferrero International SA	6937119	C	P039010	PO# 4109007673	Harper /Caleb Benjamin	05/01/17	02/28/19	38,230	212,039	(0)
		6937413	C	P039010	AGREEMENT DATED 5/1/2017	Harper /Caleb Benjamin	09/01/17	02/28/19	894	93,517	0
		6937414	C	P039010	AGREEMENT DATED 5/1/2017	Harper /Caleb Benjamin	09/01/17	02/28/19	24,420	35,962	0

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		6937847	C	P039010	AGREEMENT EFF 10/1/17	Ishii /Hiroshi	07/01/13	12/31/19	112,773	250,000	76,247
		6940296	C	P039010	AGREEMENT DATED JAN 2, 2019	Paradiso /Joseph A	01/01/19	02/28/19	18,827	0	(18,827)
	<b>Total by Primary Sponsor</b>								<b>195,144</b>	<b>591,518</b>	<b>57,420</b>
101245 Adenoid Cystic Carcinoma Foundation	101245 Adenoid Cystic Carcinoma Foundation	6940027	G	P402000	AGREEMENT DATED 11/5/18	Koehler /Angela Nicole	12/01/18	11/30/19	67,190	139,486	72,296
	<b>Total by Primary Sponsor</b>								<b>67,190</b>	<b>139,486</b>	<b>72,296</b>
101246 Hong Kong Jockey Club Charities Trust	101246 Hong Kong Jockey Club Charities Trust	6933663	G	P067952	AGREEMENT DATED 5/1/16	Abelson /Harold	05/01/16	04/30/19	786,198	3,413,582	560,223
	<b>Total by Primary Sponsor</b>								<b>786,198</b>	<b>3,413,582</b>	<b>560,223</b>
101247 Anonymous	101247 Anonymous	6933580	G	P091020	REF.: 15.3149/R152840	Duflo /Esther	01/01/16	09/30/18	221,761	549,140	(107)
	<b>Total by Primary Sponsor</b>								<b>221,761</b>	<b>549,140</b>	<b>(107)</b>
101263 Yerba Buena Center for the Arts	101263 Yerba Buena Center for the Arts	6934131	C	P031000	PREPHUB	Mazereeuw /Miho	03/01/16	10/30/18	(11,845)	15,000	0
	<b>Total by Primary Sponsor</b>								<b>(11,845)</b>	<b>15,000</b>	<b>0</b>
101293 Vlkbio Tec	101293 Vlkbio Tech	6934504	G	P267300	AGREEMENT EFFECTIVE 03/01/2016	Dresselhaus /Mildred S	03/01/16	10/31/16	0	38,502	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>38,502</b>	<b>0</b>
101348 Philip Morris Products SA	101348 Philip Morris Products SA	6933270	C	P062000	PO #5700000624	Rutledge /Gregory C	09/01/15	08/31/19	0	0	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>0</b>	<b>0</b>
101563 National Geographic	101563 National Geographic	6940195	G	P153000	EC-50828R-18	Nichols /Claire I O	01/01/19	07/31/20	7	8,590	8,583
	<b>Total by Primary Sponsor</b>								<b>7</b>	<b>8,590</b>	<b>8,583</b>
101603 Children's Trust of South Carolina	006977 Harvard School of Public Health	6935367	C	P091020	209450-5099853	Bates /Mary Ann	03/15/16	03/14/20	86,048	312,868	87,812
	<b>Total by Primary Sponsor</b>								<b>86,048</b>	<b>312,868</b>	<b>87,812</b>
101604 Stone Edge Farm	101604 Stone Edge Farm	6934887	G	P267500	AGREEMENT EFF. 06/01/2016	Kirtley /James L	06/01/16	12/31/17	0	139,580	2,513

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		6935785	G	P267500	AGREEMENT EFF. 06/01/2016	Kirtley /James L	06/01/16	07/31/17	0	114,878	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>254,458</b>	<b>2,513</b>
101622 Defence Science and Technology Group, Department of Defence	101622 Defence Science and Technology Group, Department of Defence	6940633	C	P062000	PO#4501071448	Rutledge /Gregory C	04/12/19	04/30/20	0	19,132	19,132
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>19,132</b>	<b>19,132</b>
101642 Global Energy Interconnection Research Institute North America	101642 Global Energy Interconnection Research Institute North	6934261	C	P267300	RESEARCH AGMT EFFECTIVE JUNE 1, 2016	Fink /Yoel	06/01/16	05/31/18	23	300,000	(0)
	<b>Total by Primary Sponsor</b>								<b>23</b>	<b>300,000</b>	<b>(0)</b>
101662 Prolec S.A. de C.V.	101662 Prolec S.A. de C.V.	6935268	C	P267110	AGREEMENT EFFECTIVE 11/01/16	Cooke /Chathan M	01/01/17	12/31/19	200,108	703,961	235,195
		6935597	C	P267110	AGREEMENT EFFECTIVE 11/01/16	Cooke /Chathan M	02/01/17	12/31/19	13,497	43,200	23,468
	<b>Total by Primary Sponsor</b>								<b>213,604</b>	<b>747,161</b>	<b>258,663</b>
101783 The University of Western Australia	101783 The University of Western Australia	6934390	G	P159600	LTR. AGREEMENT DTD. 06/29/2016	Fritschel /Peter K	06/30/16	06/30/18	10	7,913	7,913
	<b>Total by Primary Sponsor</b>								<b>10</b>	<b>7,913</b>	<b>7,913</b>
101785 Fundacion Mario Santo Domingo	101785 Fundacion Mario Santo Domingo	6935399	C	P030001	AGREEMENT EFFECTIVE 11/18/16	Santos /Adele Naude	01/01/17	10/31/17	0	46,332	953
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>46,332</b>	<b>953</b>
101842 Metalsa	101842 Metalsa	6935646	C	P069850	AGREEMENT DATED 1/20/17	Tasan /Cemal	01/20/17	05/31/19	124,920	273,169	29,069
		6935814	C	P062000	AGREEMENT DATED 2-1-2017	Hatton /Trevor Alan	02/01/17	01/27/19	125,715	496,032	0
	<b>Total by Primary Sponsor</b>								<b>250,635</b>	<b>769,200</b>	<b>29,069</b>
101843 Cancer Research UK	101843 Cancer Research UK	6935966	C	P400600	C60839/A25036	Boyden /Edward	05/01/17	04/30/20	241,618	454,318	50,783
	<b>Total by Primary Sponsor</b>								<b>241,618</b>	<b>454,318</b>	<b>50,783</b>
101865 Research Corporation For Science Advancement	101865 Research Corporation For Science Advancement	6935804	G	P152000	AWARD #24088	Willard /Adam P.	07/01/17	06/30/20	18,274	100,000	54,666
		6935805	G	P152000	AWARD #24080	Surendranath /Yogesh	07/01/17	06/30/20	24,432	100,000	52,290

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		6940321	G	P158000	AWARD #25928	Perez /Kerstin M.	07/01/19	06/30/22	0	100,000	100,000
	<b>Total by Primary Sponsor</b>								<b>42,706</b>	<b>300,000</b>	<b>206,955</b>
101866 Concaawe	101866 Concaawe	6934894	C	P159400	AGRMNT DTD 8/1/16	Wang /Chien	08/01/16	07/31/18	4,645	270,546	0
	<b>Total by Primary Sponsor</b>								<b>4,645</b>	<b>270,546</b>	<b>0</b>
101906 Wal-mart Foundation	101906 Wal-mart Foundation	6935004	G	P121012	AGREEMENT DTD. 10/17/2016	Levi /Retsef	10/01/16	10/30/19	1,435,182	3,154,209	558,201
		6935427	G	P121012	AGREEMENT DTD. 10/17/2016	Springs /Stacy	10/31/16	10/30/19	256,981	689,240	24,599
		6936287	G	P121012	AGREEMENT DTD. 10/17/2016	Springs /Stacy	10/31/16	10/30/19	105,331	306,174	56,531
		6936288	G	P121012	AGREEMENT DTD. 10/17/2016	Springs /Stacy	10/31/16	10/30/19	105,374	336,977	171,540
	<b>Total by Primary Sponsor</b>								<b>1,902,868</b>	<b>4,486,600</b>	<b>810,871</b>
101948 Synfuels Americas	101948 Synfuels Americas	6935381	G	P065005	AGMT DTD 1/1/17	Youcef-Toumi /Kamal	01/01/17	12/31/19	308,528	872,327	320,295
		6938868	G	P065005	AGMT DTD 1/1/17	Youcef-Toumi /Kamal	01/01/17	12/31/19	29,992	159,786	127,961
	<b>Total by Primary Sponsor</b>								<b>338,520</b>	<b>1,032,113</b>	<b>448,256</b>
102005 NanoBiotix	102005 NanoBiotix	6936750	C	P402000	AGREEMENT DATED 8/1/2017	Langer /Robert S	11/01/17	10/31/19	297,295	438,407	12,135
	<b>Total by Primary Sponsor</b>								<b>297,295</b>	<b>438,407</b>	<b>12,135</b>
102048 National Taipei University of Technology	102048 National Taipei University of Technology	6935979	C	P039000	AGREEMENT EFFECTIVE 3/1/17	Larson /Kent	03/01/17	02/28/18	(13,959)	500,000	0
		6939803	G	P039000	AGREEMENT EFF 8/1/2016	Larson /Kent	08/01/18	07/31/19	316,075	349,640	33,565
		6940220	G	P039000	AGREEMENT EFF 8/1/2016	Larson /Kent	01/01/19	07/31/19	73,026	150,360	77,334
	<b>Total by Primary Sponsor</b>								<b>375,142</b>	<b>1,000,000</b>	<b>110,899</b>
102082 Overstock.com, Inc.	102082 Overstock.com, Inc.	6935313	G	P063007	AGMT DTD. 11/22/16	Simchi-Levi /David	10/01/16	09/30/17	(2,808)	99,923	0
	<b>Total by Primary Sponsor</b>								<b>(2,808)</b>	<b>99,923</b>	<b>0</b>

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102130 Toyota Research Institute	102130 Toyota Research Institute	6932600	C	P067950	LP-C000765-SR	Rus /Daniela L	09/01/15	08/31/20	1,279	991,889	990,565
		6932601	C	P067950	LP-C000765-SR	Rus /Daniela L	09/01/15	08/31/20	195,518	1,141,230	440,646
		6932602	C	P067952	LP-C000765-SR	Glass /James R	12/01/15	11/30/19	201,732	1,073,388	131,679
		6932603	C	P067952	LP-C000765-SR	Rosenholtz /Ruth Ellen	12/01/15	11/30/19	0	59	(1,329)
		6932604	C	P067952	LP-C000765-SR	Amarasinghe /Saman P	12/01/15	11/30/19	37,274	604,775	82,028
		6933627	C	P067952	LP-C000765-SR	Matusik /Wojciech	12/01/15	11/30/19	256,565	1,211,000	62,961
		6933738	C	P067952	LP-C000765-SR	Solar Lezama /Armando	12/01/15	11/30/19	(66,353)	953,372	143,841
		6933739	C	P067952	LP-C000765-SR	Sussman /Gerald J	12/01/15	11/30/19	142,407	853,000	62,973
		6933848	C	P067952	LP-C000765-SR	Rus /Daniela L	12/01/15	02/28/19	316,680	2,726,774	5,307
		6933849	C	P067952	LP-C000765-SR	Katabi /Dina	12/01/15	11/30/18	145,960	492,000	(13,047)
		6933850	C	P067952	LP-C000765-SR	Tenenbaum /Joshua B	12/01/15	11/30/19	61,876	800,000	54,577
		6933851	C	P067952	LP-C000765-SR	Rus /Daniela L	12/01/15	11/30/19	235,676	1,539,149	642,132
		6933852	C	P067952	LP-C000765-SR	Rus /Daniela L	12/01/15	11/30/19	683,129	3,032,553	690,527
		6933854	C	P067952	LP-C000765-SR	Rosenholtz /Ruth Ellen	12/01/15	11/30/19	152,914	968,796	133,646
		6933855	C	P067952	LP-C000765-SR	Oliva /Aude	12/01/15	11/30/18	6,648	476,465	(0)
		6933856	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	11/30/18	21,850	286,293	(17,357)
		6934000	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	11/30/19	291,673	540,363	(170,512)
		6934066	C	P067952	LP-C000765-SR	Horn /Berthold K P	12/01/15	11/30/18	111,201	615,885	(18,993)
		6934080	C	P067952	LP-C000765-SR	Roy /Nicholas	12/01/15	11/30/19	120,375	858,250	121,019
		6934082	C	P067952	LP-C000765-SR	Adelson /Edward H	12/01/15	11/30/19	307,578	1,322,745	243,428

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		6934276	C	P067952	LP-C000765-SR	Adelson /Edward H	06/15/16	11/30/17	0	6,006	0
		6934476	C	P067952	LP-C000765-SR	Katabi /Dina	12/01/15	11/30/18	756	300,000	17,367
		6934536	C	P067952	LP-C000765-SR	Williams /Brian C	12/01/15	11/30/18	324,683	949,000	(31,535)
		6934537	C	P067952	LP-C000765-SR	Williams /Brian C	12/01/15	11/30/18	40,685	988,000	(55,522)
		6934538	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	11/30/19	352,647	1,512,731	(3,764)
		6934650	C	P067952	LP-C000765-SR	Rus /Daniela L	12/01/15	11/30/19	114,237	466,842	104,646
		6934740	C	P067952	LP-C000765-SR	Katz /Boris	12/01/15	11/30/19	168,714	949,250	84,906
		6935250	C	P067952	LP-C000765-SR	Rus /Daniela L	01/01/16	11/30/19	17,656	366,903	335,892
		6935276	C	P067952	LP-C000765-SR	Adelson /Edward H	09/01/16	11/30/18	8,938	202,114	0
		6935484	C	P067952	LP-C000765-SR	Adelson /Edward H	12/01/16	06/30/17	0	10,842	0
		6935596	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	06/15/17	0	36,602	0
		6935743	C	P067952	LP-C000765-SR	Durand /Frederic	03/31/16	02/28/17	0	5,313	0
		6935752	C	P267200	PO TRI0001057	Shao-Horn /Yang	03/01/17	02/28/20	257,348	900,000	264,180
		6935753	C	P267111	GROSSMAN/SHAO-HORN AGMT 3/1/17	Grossman /Jeffrey C.	03/01/17	02/28/20	0	0	0
		6935960	C	P267200	EFFECTIVE DATE TBD	Roman /Yuriy	03/01/17	02/28/20	427,249	900,000	199,926
		6935999	C	P267111	AGMT EFF DATE 3/1/17	Grossman /Jeffrey C.	03/01/17	02/28/20	667,749	1,675,778	418,789
		6936000	C	P267200	AGMT EFF DATE 3/1/17	Shao-Horn /Yang	03/01/17	02/28/20	278,548	900,000	244,189
		6936016	C	P067952	LP-C000765-SR	Durand /Frederic	12/01/15	03/31/17	0	5,354	0
		6936019	C	P267200	AGMT EFF DATE 3/1/17	Johnson /Jeremiah A.	03/01/17	02/28/20	228,251	600,000	98,303
		6936062	C	P062000	PO TRI0003104	Bazant /Martin Z	03/01/17	02/28/21	722,341	1,195,125	25,013

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		6936199	C	P267111	AGMT EFF DATE 3/1/17	Willard /Adam P.	03/01/17	02/28/20	103,660	355,780	101,800
		6936228	C	P062000	PO# TRI0001063	Braatz /Richard D	03/01/17	02/28/21	265,348	880,000	392,346
		6936499	C	P065004	HART AGMT 6/1/17 / TRI0002444	Hart /Anastasios John	06/01/17	05/31/19	248,037	544,844	(13,262)
		6936595	C	P067952	AGMT. DATED 8/1/17	Kaelbling /Leslie P	08/01/17	07/31/18	85,585	356,645	0
		6936621	C	P267111	AGMT EFF DATE 3/1/17	Sra /Suvrit	03/01/17	02/28/19	0	68,443	0
		6938539	C	P067952	LP-C000765-SR	Rodriguez Garcia /Alberto	01/01/18	12/31/19	229,190	366,666	63,382
		6938761	C	P067952	LP-C000765-SR	Solomon /Justin	06/01/18	08/31/20	228,230	200,000	(28,230)
		6939150	C	P067952	LP-C000765-SR	Adelson /Edward H	06/01/18	05/31/19	190,928	184,528	(6,400)
		6939151	C	P067952	LP-C000765-SR	Kim /Sangbae	06/01/18	05/31/20	173,185	300,000	126,815
		6939152	C	P067952	LP-C000765-SR	Matusik /Wojciech	01/01/18	01/15/20	451,468	514,532	63,064
		6939253	C	P067950	LP-C000765-SR	Rus /Daniela L	06/01/18	08/31/20	0	98,805	98,805
		6939509	C	P067952	LP-C000765-SR	Jackson /Daniel	06/01/18	05/31/19	155,619	251,756	96,136
		6939703	C	P067952	LP-C000765-SR	Matusik /Wojciech	10/01/18	01/15/19	8,684	15,000	6,316
		6939907	C	P067952	LP-C000765-SR	Williams /Brian C	12/01/18	11/30/19	206,380	365,000	158,620
		6940051	C	P267110	PO TRI0002979	Shao-Horn /Yang	12/14/18	02/28/20	0	1,000,000	1,000,000
		6940855	C	P065004	HART AGMT 6/1/17 / TRI0002444	Hart /Anastasios John	08/01/17	05/31/19	5,140	5,156	16
		Total by Primary Sponsor									9,185,238
102143 Independence Blu Cross	102143 Independence Blue Cross	6939335	C	P061901	SOW #1	Sontag /David Alexander	07/16/18	02/27/21	114,078	897,789	783,711
	Total by Primary Sponsor								114,078	897,789	783,711
102145 Viakable SA de CV	102145 Viakable SA de CV	6935963	C	P062000	AGREEMENT DATED 3-1-2017	Hatton /Trevor Alan	03/01/17	08/28/19	145,012	512,197	46,184

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	<b>Total by Primary Sponsor</b>								<b>145,012</b>	<b>512,197</b>	<b>46,184</b>
102146 Tiny Blue Dot Foundation	006570 Massachusetts General Hospital	6939531	G	P061902	228497	Greenberg /Julie E	06/01/18	08/31/18	10,510	10,510	0
	<b>Total by Primary Sponsor</b>								<b>10,510</b>	<b>10,510</b>	<b>0</b>
102147 Rakuten	102147 Rakuten	6935082	C	P067952	AGREEMENT EFFECTIVE 1/1/17	Barzilay /Regina	01/01/17	03/31/18	(36)	150,000	0
	<b>Total by Primary Sponsor</b>								<b>(36)</b>	<b>150,000</b>	<b>0</b>
102148 Boston Globe	102148 Boston Globe	6935729	C	P121175		Aral /Sinan Kayhan	01/01/17	12/31/19	52,279	300,000	(0)
	<b>Total by Primary Sponsor</b>								<b>52,279</b>	<b>300,000</b>	<b>(0)</b>
102149 Eureka Forbes	102149 Eureka Forbes	6935492	G	P065005	AGMT DTD 1/2/17	Winter /Amos G	09/01/16	08/31/17	0	103,110	(3,496)
		6940648	G	P065005		Winter /Amos G	01/01/19	08/31/20	37,840	189,980	152,140
	<b>Total by Primary Sponsor</b>								<b>37,840</b>	<b>293,090</b>	<b>148,644</b>
102163 TAKREEF Research Centre	010063 Masdar Institute of Science and Technology	6935344	C	P060600	AGMT DTD 9/1/2016	Palacios /Tomas	09/01/16	08/31/19	29,549	300,000	(50,142)
	<b>Total by Primary Sponsor</b>								<b>29,549</b>	<b>300,000</b>	<b>(50,142)</b>
102164 Washington Center for Equitable Growth	007676 University of California - Berkeley	6936352	G	P091000	00009504	Williams /Heidi L	01/01/17	06/30/18	(3,334)	39,909	(17)
	<b>Total by Primary Sponsor</b>								<b>(3,334)</b>	<b>39,909</b>	<b>(17)</b>
102165 Anonymous Foundation B	102165 Anonymous Foundation B	6935341	G	P091020	AGMT DTD 12/9/16	Sautmann /Anja	11/01/16	06/30/20	119,621	535,367	19,294
	<b>Total by Primary Sponsor</b>								<b>119,621</b>	<b>535,367</b>	<b>19,294</b>
102202 Honda Engineering North America, Inc.	102202 Honda Engineering North America, Inc.	6936570	C	P061096	AGMT DATED 4/1/17	Shah /Julie A	08/01/17	11/30/18	52,379	197,084	(0)
	<b>Total by Primary Sponsor</b>								<b>52,379</b>	<b>197,084</b>	<b>(0)</b>
102232 United States-Israel Binational Science Foundation	102232 United States-Israel Binational Science Foundation	6937642	G	P069850	2016389	Checkelsky /Joseph	10/01/17	09/30/19	13,900	30,000	(4,604)
		6939946	G	P267600	GRANT NO. 2017189	Lu /Timothy K	10/01/18	09/30/19	0	30,000	30,000

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	<b>Total by Primary Sponsor</b>								<b>13,900</b>	<b>60,000</b>	<b>25,396</b>
102233 Lockheed Martin Corporation	102233 Lockheed Martin Corporation	6934071	C	P061093	MASTER AGREEMENT LOCKHEED MARTIN EFF. 5/13/16	Hastings /Daniel E	05/13/16	10/31/19	0	683,500	683,500
		6934996	C	P067952	MASTER AGREEMENT LOCKHEED MARTIN EFF. 5/13/16 / PO 410265055	Katabi /Dina	08/01/16	07/31/17	0	80,000	0
		6935149	C	P061090	RPP2016-002	How /Jonathan P	09/01/16	08/31/19	62,446	412,500	273,548
		6935150	C	P061093	MASTER AGREEMENT LOCKHEED MARTIN EFF. 5/13/16	Hastings /Daniel E	05/13/16	10/31/19	28,889	136,500	23,402
		6935225	C	P065005	RPP 2016-006	Schmidt /Henrik	11/01/16	10/31/19	167,374	366,000	5,369
		6935226	C	P065004	RPP 2016-008	Hart /Anastasios John	11/01/16	10/31/19	18,357	238,110	98,095
		6935227	C	P063007	RPP 2016-007	Williams /John R	09/01/16	08/31/19	41,372	150,000	92,606
		6935236	C	P061090	RPP2016-001	Roy /Nicholas	09/01/16	08/31/19	21,082	412,500	242,810
		6935237	C	P267200	RPP2016-005	Soljadic /Marin	10/01/16	03/15/18	0	75,000	0
		6935243	C	P067952	RPP2016-002	Tedrake /Russell L	09/01/16	08/31/19	133,059	412,500	72,192
		6935244	C	P061097	RPP2016-002	Karaman /Sertac	09/01/16	08/31/19	146,094	412,500	18,906
		6935251	C	P061096	RPP2016-001	Shah /Julie A	09/01/16	08/31/19	97,215	412,500	180,822
		6936194	C	P267200	RPP2016-005	Johnson /Steven G	10/01/16	03/15/18	0	75,000	0
		6939791	C	P065004	RPP 2016-009	Schmidt /Henrik	10/15/18	10/14/19	83,539	125,000	41,461
		6939877	C	P065004	RPP 2016-008	Hart /Anastasios John	10/01/18	10/31/19	8,405	11,890	3,485
	<b>Total by Primary Sponsor</b>								<b>807,832</b>	<b>4,003,500</b>	<b>1,736,198</b>
102240 Tongji University	102240 Tongji University	6935735	C	P039000		Larson /Kent	02/10/17	02/09/20	126,022	300,000	120,595
	<b>Total by Primary Sponsor</b>								<b>126,022</b>	<b>300,000</b>	<b>120,595</b>
102304 eLichens	102304 eLichens	6939251	C	P065004	AGMT DTD 08/24/2018	Karnik /Rohit	06/01/18	05/31/21	92,357	348,276	255,920

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		6939513	C	P065004	AGMT DTD 08/24/2018	Karnik /Rohit	09/01/18	10/30/18	0	6,032	6,032
	<b>Total by Primary Sponsor</b>								<b>92,357</b>	<b>354,308</b>	<b>261,951</b>
102323 Nanoelectronics Research Corporation	007534 University of California-San Diego	6936497	C	P267500	PO S9001665 / SUBAWARD 86331976	Bulovic /Vladimir	10/01/16	09/30/19	29,188	79,420	11,658
	102323 Nanoelectronics Research Corporation	6935269	C	P267400	2016-NE-2700	Baldo /Marc A	10/01/16	09/30/19	59,673	66,671	2,768
		6935558	C	P066000	2016-NE-2700	Ross /Caroline A	10/01/16	09/30/19	3,180	66,665	9,555
		6935559	C	P267110	2016-NE-2700	Sze /Vivienne	10/01/16	09/30/19	16,795	66,665	(0)
	<b>Total by Primary Sponsor</b>								<b>108,836</b>	<b>279,421</b>	<b>23,980</b>
102364 Merck KGaA	102364 Merck KGaA	6936315	C	P069400	AGMT DTD 12/1/16	Magee /Christopher L	12/01/16	10/31/18	54,768	165,273	0
		6939684	C	P066000		Rupp /Jennifer Lilia Marguerit	06/01/18	06/30/19	52,336	50,000	(2,336)
	<b>Total by Primary Sponsor</b>								<b>107,104</b>	<b>215,273</b>	<b>(2,336)</b>
102383 Master Dynamic Limited	102383 Master Dynamic Limited	6936718	C	P267111	AGREEMENT EFFECTIVE AUGUST 1, 2017	Englund /Dirk R.	08/01/17	01/21/19	17,525	106,110	(1,793)
		6936719	C	P267111	AGREEMENT EFFECTIVE AUGUST 1, 2017	Englund /Dirk R.	08/01/17	07/31/19	(325)	235,709	108,782
		6936720	C	P267111	AGREEMENT EFFECTIVE AUGUST 1, 2017	Englund /Dirk R.	08/01/17	01/21/19	35,141	106,110	(10,042)
	<b>Total by Primary Sponsor</b>								<b>52,341</b>	<b>447,929</b>	<b>96,946</b>
102388 The Syngenta Foundation for Sustainable Agriculture	102388 The Syngenta Foundation for Sustainable Agriculture	6936419	G	P121012	AGMT DATED 1/3/17	Zheng /Yanchong	01/03/17	12/31/19	120,200	320,000	12,566
	<b>Total by Primary Sponsor</b>								<b>120,200</b>	<b>320,000</b>	<b>12,566</b>
102405 Xylem Inc	102405 Xylem Inc.	6935851	C	P402410	AGMT DTD 3/1/17	Hunter /Ian	03/01/17	08/31/19	168,743	450,000	24,152
		6936895	C	P402410	AGMT DTD 1/2/2017	Veeramachaneni /Kalyan	08/15/17	08/14/19	218,690	450,000	28,700
		6938132	C	P402410	AGMT DTD 1/2/2017	Slocum /Alexander H	01/01/18	07/31/20	128,029	183,303	(4,127)
	<b>Total by Primary Sponsor</b>								<b>515,462</b>	<b>1,083,303</b>	<b>48,725</b>
102408 Aalto University	102408 Aalto University	6936178	C	P039000	AGREEMENT EFFECTIVE 4/1/2017	Larson /Kent	04/01/17	03/31/20	76,605	280,000	114,033

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	<b>Total by Primary Sponsor</b>								<b>76,605</b>	<b>280,000</b>	<b>114,033</b>
102411 Shanghai Electric Central Technology	102411 Shanghai Electric Central Technology	6941127	C	P065004	AGMT DTD TBD	Krebs /Hermano I	07/01/19	06/30/20	0	428,603	428,603
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>428,603</b>	<b>428,603</b>
102442 Synlogic	102442 Synlogic	6939908	C	P069201	AGMT DATED 6/1/19	Voigt /Christopher A.	06/01/19	10/16/19	8,661	112,500	103,839
	<b>Total by Primary Sponsor</b>								<b>8,661</b>	<b>112,500</b>	<b>103,839</b>
102462 ENN Science and Technology Development Co., Ltd.	102462 ENN Science and Technology Development Co., Ltd.	6936772	C	P320000	AGRMNT EFFECTIVE 11/1/16	Sadoway /Donald Robert	06/16/17	06/15/20	302,601	600,000	133,227
		6940611	C	P320000	AGRMNT EFFECTIVE 11/1/16	Ilic /Marija	03/15/19	03/14/22	44,742	275,000	230,258
	<b>Total by Primary Sponsor</b>								<b>347,343</b>	<b>875,000</b>	<b>363,485</b>
102506 ELLINOGERMANIKI AGOGI SCHOLI PANAGEA SAVVA AE	102506 ELLINOGERMANIKI AGOGI SCHOLI	6936361	C	P405015	AGMT DATED MAY 15, 2017	Sarma /Sanjay E	05/15/17	03/31/18	(0)	57,885	0
	<b>Total by Primary Sponsor</b>								<b>(0)</b>	<b>57,885</b>	<b>0</b>
102603 Cenovus Energy, Inc.	102603 Cenovus Energy, Inc.	6936773	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	08/01/17	07/31/20	143,013	421,403	84,916
		6937826	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	09/17/17	01/31/18	0	13,325	0
		6938372	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	12/15/17	04/30/18	5,272	5,272	0
		6939700	C	P320103	AGMT DTD 2/1/2017	Manthiram /Karthish	09/01/18	03/31/19	58,244	60,000	1,756
	<b>Total by Primary Sponsor</b>								<b>206,529</b>	<b>500,000</b>	<b>86,672</b>
102645 The Miami Foundation	102645 The Miami Foundation	6937603	G	P093800	JOURNALISM 360 FUND - MIT	Adams /Allan Wilfred	07/15/17	05/15/18	0	30,000	10,943
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>30,000</b>	<b>10,943</b>
102666 SNCF Mobility "SNCF Gares et Connections"	102666 SNCF Mobility "SNCF Gares et Connections"	6938114	C	P031000	AGREEMENT DATED 2/1/2018	Tibbits /Skylar	02/01/18	02/28/19	(5,220)	137,112	49
		6938127	C	P069850		Tasan /Cemal	01/01/18	12/31/20	105,802	204,167	58,082
	<b>Total by Primary Sponsor</b>								<b>100,583</b>	<b>341,279</b>	<b>58,130</b>



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102704 Capital One	102704 Capital One	6936569	C	P033000	AGREEMENT DATED 3/1/17	Saiz /Albert	03/01/17	12/31/19	18,898	80,000	13
	<b>Total by Primary Sponsor</b>								<b>18,898</b>	<b>80,000</b>	<b>13</b>
102743 Foundation for Food and Agriculture Research	105070 World Wildlife Fund, Inc.	6940662	G	P121012	HK90	Levi /Retsef	12/03/18	11/30/19	8,682	40,347	31,665
	<b>Total by Primary Sponsor</b>								<b>8,682</b>	<b>40,347</b>	<b>31,665</b>
102764 Western Digital	102764 Western Digital	6936283	G	P063007	AGREEMENT DTD 05/15/17	Simchi-Levi /David	05/15/17	12/31/18	107,049	130,179	(0)
	<b>Total by Primary Sponsor</b>								<b>107,049</b>	<b>130,179</b>	<b>(0)</b>
102789 JH Engineering Co. Ltd.	102789 JH Engineering Co. Ltd.	6940316	C	P243021	AGMT. DTD. 02/01/2019	Park /Dongkeun	02/01/19	01/31/20	36,580	110,000	73,420
	<b>Total by Primary Sponsor</b>								<b>36,580</b>	<b>110,000</b>	<b>73,420</b>
102802 Skillsoft Corporation	102802 Skillsoft Corporation	6936636	C	P405028	AGREEMENT DATED MAY 1	Gabrieli /John D. E.	05/01/17	07/31/19	15,298	63,442	1,655
		6936849	C	P400600	AGREEMENT DATED MAY 1	Gabrieli /John D. E.	07/01/17	07/31/19	41,662	170,820	15,647
	<b>Total by Primary Sponsor</b>								<b>56,960</b>	<b>234,261</b>	<b>17,302</b>
102824 Imam Abdulrahman Bin Faisal University	102824 Imam Abdulrahman Bin Faisal University	6939212	C	P065004	IAU-MIT IRMC	Kim /Sang-Gook	01/01/18	06/30/19	52,013	90,000	37,987
		6939280	C	P065004	IAU-MIT IRMC	Karnik /Rohit	01/01/18	06/30/19	81,075	90,000	8,925
	<b>Total by Primary Sponsor</b>								<b>133,088</b>	<b>180,000</b>	<b>46,912</b>
102827 Amore Pacific	102827 Amore Pacific	6936050	G	P267500	AGREEMENT DATED 06/13/207	Kim /Jeehwan	06/01/17	08/31/19	211,226	504,000	123,756
	<b>Total by Primary Sponsor</b>								<b>211,226</b>	<b>504,000</b>	<b>123,756</b>
102829 Topcon Corporation	102829 Topcon Corporation	6935995	C	P267600	AGMT EFF DATE 4/1/17	Fujimoto /James G	04/01/17	03/31/19	11,049	157,000	71,966
	<b>Total by Primary Sponsor</b>								<b>11,049</b>	<b>157,000</b>	<b>71,966</b>
102862 The Chan Zuckerberg Initiative	011199 Silicon Valley Community Foundation	6938125	C	P154000	2018-182642	Rigollet /Philippe	03/01/18	08/31/19	173,328	220,215	38,397
	<b>Total by Primary Sponsor</b>								<b>173,328</b>	<b>220,215</b>	<b>38,397</b>
102906 Magic Leap	102906 Magic Leap	6936516	G	P065005	AGMT DTD. 09/06/2017	Slocum /Alexander H	09/01/17	06/30/19	94,649	150,000	(10,009)
	<b>Total by Primary Sponsor</b>								<b>94,649</b>	<b>150,000</b>	<b>(10,009)</b>

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102907 Sumitomo Metal Mining	102907 Sumitomo Metal Mining	6935959	C	P069850	AGREEMENT DATED 5/10/17	Allanore /Antoine	05/10/17	03/31/18	(247)	128,474	(0)
	<b>Total by Primary Sponsor</b>								<b>(247)</b>	<b>128,474</b>	<b>(0)</b>
102935 Automobili Lamborghini S.p.A	102935 Automobili Lamborghini S.p.A.	6937471	C	P152000	1346232	Dinca /Mircea	12/01/17	11/30/19	450,602	740,401	109,293
		6937500	C	P065004	AGREEMENT DATED 12/1/17	Hart /Anastasios John	11/01/17	10/31/20	75,564	600,000	524,436
	<b>Total by Primary Sponsor</b>								<b>526,166</b>	<b>1,340,401</b>	<b>633,728</b>
102964 DEME Group	009904 MIT - Internal	6937587	G	P065005	AGMT DTD 10/18/17	Peacock /Thomas	10/18/17	07/31/19	70,000	0	(70,000)
	<b>Total by Primary Sponsor</b>								<b>70,000</b>	<b>0</b>	<b>(70,000)</b>
102968 Coppel	102968 Coppel	6937303	C	P069500	AGMT. DTD 10/01/2017	Caplice /Christopher	10/01/17	01/31/20	204,034	544,348	227,381
		6937953	G	P069400	102012011039 CL	Williams /John R	02/01/18	01/31/20	6,057	340,000	333,901
		6938681	C	P063007	SRA DTD. 06/19/2018	Simchi-Levi /David	06/01/18	10/31/19	126,977	308,453	181,476
	<b>Total by Primary Sponsor</b>								<b>337,068</b>	<b>1,192,801</b>	<b>742,758</b>
102983 Canadian Imperial Bank of Commerce	102983 Canadian Imperial Bank of Commerce	6936930	G	P121012	CONTRACT NO. 00104246	Bertsimas /Dimitris J	07/01/17	06/30/20	249,876	600,000	86,627
	<b>Total by Primary Sponsor</b>								<b>249,876</b>	<b>600,000</b>	<b>86,627</b>
102984 ISN Software Corporation	102984 ISN Software Corporation	6937235	C	P121012	AGMT. DTD. 09/15/2017	Bertsimas /Dimitris J	09/01/17	08/31/18	63,027	200,000	0
	<b>Total by Primary Sponsor</b>								<b>63,027</b>	<b>200,000</b>	<b>0</b>
103022 ITIA-Consiglio Nazionale delle Ricerche	103022 ITIA-Consiglio Nazionale delle Ricerche	6936519	C	P065004	AGMT DTD 1-MAY-2017	Gershwin /Stanley B	05/01/17	04/30/18	0	30,000	1,439
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>30,000</b>	<b>1,439</b>
103024 Hitachi Automotive Systems Americas, Inc.	103024 Hitachi Automotive Systems Americas, Inc.	6936936	G	P069400	AGMT DTD 08/14/2017	Rebentisch /Eric S	07/01/17	08/31/19	212,748	570,000	41,729
	<b>Total by Primary Sponsor</b>								<b>212,748</b>	<b>570,000</b>	<b>41,729</b>
103042 Myntra	103042 Myntra	6937237	C	P121012	AGMT. DTD. 9/22/17	Perakis /Georgia	10/01/17	09/30/19	135,199	178,097	0

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	Total by Primary Sponsor								135,199	178,097	0
103043 CMPC Tissue S.A.	103043 CMPC Tissue S.A.	6937066	C	P065005	AGMT DTD. 09/01/2017	Sarma /Sanjay E	09/08/17	09/07/18	83,905	200,000	(3,972)
		6937166	C	P069500	AGMT DTD. 09/01/2017	Sheffi /Yosef	09/01/17	08/31/18	(13,402)	205,000	(0)
		6937343	C	P121012	AGMT DTD 09/01/2017	Perakis /Georgia	09/01/17	08/31/18	44,512	124,005	0
	Total by Primary Sponsor								115,014	529,005	(3,972)
103045 LuMind Research Down Syndrome Foundation	103045 LuMind Research	6936937	G	P159300		Tsai /Li-Huei	07/01/18	06/30/19	221,687	220,000	(1,687)
	Total by Primary Sponsor								221,687	220,000	(1,687)
103048 Sanofi Genzyme	103048 Sanofi Genzyme	6939562	C	P066000	PO# E001485971	Van Vliet /Krystyn J	10/15/18	10/14/19	13,198	15,900	2,702
	Total by Primary Sponsor								13,198	15,900	2,702
103049 Tibet Cheezheng Tibetan Medicine Co. Ltd	103049 Tibet Cheezheng Tibetan Medicine Co. Ltd	6936834	G	P065005	AGMT DTD 07/01/2017	Zhao /Xuanhe	07/01/17	07/01/20	366,126	780,977	208,363
	Total by Primary Sponsor								366,126	780,977	208,363
103050 Acupay West Indies LLC	103050 Acupay West Indies LLC	6935485	C	P065004	AGMT EFF 5/9/17	Krebs /Hermano I	08/01/17	07/31/19	195,240	488,530	8,770
		6937650	C	P065004	AGMT EFF 5/9/17	Krebs /Hermano I	09/01/17	07/31/19	2,397	12,279	0
	Total by Primary Sponsor								197,638	500,810	8,770
103083 Cellink	103083 Cellink	6937114	C	P402000	AGREEMENT DATED JULY 1, 2017	Langer /Robert S	07/01/17	06/30/18	14,381	100,352	61,802
	Total by Primary Sponsor								14,381	100,352	61,802
103084 Blount International Inc.	103084 Blount International Inc.	6937335	G	P065004	AGMT DTD 09/01/2017	Cohen /Tal	09/01/17	12/31/19	187,562	336,047	51,886
	Total by Primary Sponsor								187,562	336,047	51,886
103123 Naver Labs	103123 Naver Labs	6936518	C	P065004	AGMT DTD 6/1/17	Kim /Sangbae	06/01/17	05/31/19	247,382	400,000	112,835
	Total by Primary Sponsor								247,382	400,000	112,835

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103127 Psiquantum Corp	103127 Psiquantum Corp	6937765	C	P267111	P.O. NO. 1308	Berggren /Karl K	10/01/17	09/30/20	167,475	608,064	317,567
		6938339	C	P267111	AGMT. 02/01/18	Englund /Dirk R.	02/01/18	07/31/19	76,623	77,000	377
		6938774	C	P267111	AGMT. 02/01/18	Englund /Dirk R.	02/01/18	07/31/19	21,914	23,000	1,086
	<b>Total by Primary Sponsor</b>								<b>266,012</b>	<b>708,064</b>	<b>319,030</b>
103132 Adidas AG	103132 Adidas AG	6938168	C	P069500	SNS/490058559	Caplice /Christopher	02/01/18	05/31/19	180,131	317,500	45,856
	<b>Total by Primary Sponsor</b>								<b>180,131</b>	<b>317,500</b>	<b>45,856</b>
103146 JD.Com American Technologies Corporation	103146 JD.Com American Technologies Corporation	6937645	C	P068700	AGREEMENT DATED 9/1/17	Karaman /Sertac	09/01/17	06/30/19	405,931	697,561	7,595
		6937658	C	P067952		Rus /Daniela L	07/01/18	06/30/21	17,482	348,622	331,140
		6938540	C	P068700	AGREEMENT DATED 9/1/17	Karaman /Sertac	04/01/18	09/30/18	(375)	30,000	411
		6938686	C	P068700	AGREEMENT DATED 9/1/17	Karaman /Sertac	05/01/18	11/30/18	6,622	23,816	0
		6938913	G	P063007	MASTER RESEARCH AGMT DTD. 07/01/2018	Simchi-Levi /David	07/01/18	06/30/21	0	200,000	200,000
	<b>Total by Primary Sponsor</b>								<b>429,661</b>	<b>1,299,998</b>	<b>539,145</b>
103147 Shell Foundation	103147 Shell Foundation	6937093	C	P320000	AGMT DTD 9/5/2017	Stoner /Robert	04/01/17	10/31/18	353,736	517,993	35,712
		6939375	C	P320000	AGMT DTD 9/5/2017	Stoner /Robert	04/01/17	10/31/18	32,022	32,022	0
	<b>Total by Primary Sponsor</b>								<b>385,758</b>	<b>550,015</b>	<b>35,712</b>
103162 Japan Steel Works, LTD	103162 Japan Steel Works, LTD	6937065	G	P065005	AGMT DTD 09/01/2017	Youcef-Toumi /Kamal	09/01/17	08/31/19	63,811	392,277	218,679
	<b>Total by Primary Sponsor</b>								<b>63,811</b>	<b>392,277</b>	<b>218,679</b>
103164 NTT Data Corporation	103164 NTT Data Corporation	6938431	C	P039010	AGREEMENT DATED 1/1/18	Picard /Rosalind W.	01/01/18	09/30/19	78,539	80,000	(0)
		6939977	C	P039010	AGREEMENT DATED OCT	Breazeal /Cynthia Lynn	10/01/18	06/30/19	63,363	0	(63,363)
	<b>Total by Primary Sponsor</b>								<b>141,902</b>	<b>80,000</b>	<b>(63,363)</b>
103185 Nomura Research Institute Ltd	103185 Nomura Research Institute, Ltd	6939897	G	P121175	NOMURA-MIT IDE SRA 2018082	Westerman /George F	08/01/18	10/15/19	104,400	150,000	45,600

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	<b>Total by Primary Sponsor</b>								<b>104,400</b>	<b>150,000</b>	<b>45,600</b>
103186 Change Happens Foundation	103186 Change Happens Foundation	6937369	G	P153000	LETTER DATED 9/7/2017	Seager /Sara	09/07/17	12/31/18	144,014	150,000	319
	<b>Total by Primary Sponsor</b>								<b>144,014</b>	<b>150,000</b>	<b>319</b>
103188 nQ Medical	103188 nQ Medical	6936672	C	P267111	RESEARCH AGMT EFFECTIVE 06/01/17	Gray /Martha L	06/01/17	12/31/19	14,677	82,841	17,777
	<b>Total by Primary Sponsor</b>								<b>14,677</b>	<b>82,841</b>	<b>17,777</b>
103204 NICE America Research Inc.	103204 NICE America Research Inc.	6936525	C	P159400	AGREEMENT DATED 6-1-2017	Paltsev /Sergey	07/01/17	06/30/18	(738)	65,000	0
		6938894	C	P159400	AGREEMENT DTD. 07/23/17	Paltsev /Sergey	07/01/18	06/30/19	77,458	79,000	1,542
	<b>Total by Primary Sponsor</b>								<b>76,719</b>	<b>144,000</b>	<b>1,542</b>
103267 Wuxi Friedrich Measurement & Control Instruments Co., LTD	103267 Wuxi Friedrich Measurement & Control Instruments Co., LTD	6937064	G	P065005	AGMT DTD 09/01/2017	Youcef-Toumi /Kamal	09/01/17	08/31/20	207,698	748,103	454,176
		6938144	G	P065005	AGMT DTD 09/01/2017	Youcef-Toumi /Kamal	02/21/18	02/21/20	17,294	56,729	10,648
	<b>Total by Primary Sponsor</b>								<b>224,992</b>	<b>804,832</b>	<b>464,825</b>
103270 Muscular Dystrophy Canada	103270 Muscular Dystrophy Canada	6938113	G	P061901	LTR DATED 10/2/17	Roche /Ellen	11/01/17	02/28/19	45,263	50,000	(583)
	<b>Total by Primary Sponsor</b>								<b>45,263</b>	<b>50,000</b>	<b>(583)</b>
103285 Flexion	103285 Flexion	6937038	G	P069201	AGMT DTD 8/22/17	Grodzinsky /Alan J	09/01/17	02/28/19	85,719	170,000	(0)
	<b>Total by Primary Sponsor</b>								<b>85,719</b>	<b>170,000</b>	<b>(0)</b>
103288 China-Singapore Suzhou Industrial Park	103288 China-Singapore Suzhou Industrial Park	6936722	C	P067950	AGMT DATETD 9/1/17	Rus /Daniela L	09/01/17	08/31/20	0	654,706	654,706
		6937539	C	P067950	AGMT DATETD 9/1/17	Rus /Daniela L	09/01/17	08/31/20	195,673	391,576	(17,014)
		6937728	C	P067952	AGMT DATETD 9/1/17	Rus /Daniela L	09/01/17	08/31/20	53,442	258,859	205,417
		6938553	C	P067952	AGMT DATETD 9/1/17	Solomon /Justin	09/01/17	08/31/18	68,490	214,859	117,601
		6938554	C	P067952	AGMT DATETD 9/1/17	Shavit /Nir N.	09/01/17	08/31/20	123,106	240,000	(2,288)
		6939146	C	P067900	AGMT DATETD 9/1/17	Golland /Polina	09/01/17	08/31/19	178,224	240,000	61,776

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	<b>Total by Primary Sponsor</b>								<b>618,935</b>	<b>2,000,000</b>	<b>1,020,197</b>
103305 Technologie Servier	103305 Technologie Servier	6937713	C	P152000	CT0069512	Pentelute /Bradley L.	01/01/18	12/31/19	185,384	400,655	143,885
	<b>Total by Primary Sponsor</b>								<b>185,384</b>	<b>400,655</b>	<b>143,885</b>
103323 Ono Pharma Foundation	103323 Ono Pharma Foundation	6937082	C	P402000	AGREEMENT DATED 8/21/2017	Koehler /Angela Nicole	10/01/17	09/30/20	245,142	1,035,000	605,294
	<b>Total by Primary Sponsor</b>								<b>245,142</b>	<b>1,035,000</b>	<b>605,294</b>
103325 Magna Services of America Inc.	103325 Magna Services of America Inc.	6936870	C	P267500	PO 192500821	Kirtley /James L	09/01/17	08/31/19	241,893	300,000	(19,377)
	<b>Total by Primary Sponsor</b>								<b>241,893</b>	<b>300,000</b>	<b>(19,377)</b>
103392 The Advanced Robotics for Manufacturing (ARM) Institute	104091 QinetiQ North America, Inc.	6940073	C	P065004	SUB3-00233	Asada /Haruhiko	08/01/18	07/31/19	203,377	205,000	1,623
		6940243	C	P065004	SUB3-00233	Hogan /Neville	08/01/18	10/14/19	76,578	110,000	33,422
	<b>Total by Primary Sponsor</b>								<b>279,956</b>	<b>315,000</b>	<b>35,044</b>
103425 Korea Electronics Technology Institute	103425 Korea Electronics Technology Institute	6937637	G	P065005	AGMT DTD 07/01/2017	Wang /Evelyn	07/01/17	03/31/18	3,602	18,605	(0)
	<b>Total by Primary Sponsor</b>								<b>3,602</b>	<b>18,605</b>	<b>(0)</b>
103484 NSK	103484 NSK	6937636	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	12/01/17	12/31/19	142,064	351,741	64,248
		6937939	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	12/01/17	12/31/19	5,881	19,946	0
		6938708	C	P065004	AGREEMENT DATED 1/1/18	Asada /Haruhiko	12/01/17	12/31/19	19,761	27,966	(2,327)
	<b>Total by Primary Sponsor</b>								<b>167,706</b>	<b>399,653</b>	<b>61,922</b>
103486 Hartford Hospital	103486 Hartford Hospital	6938051	G	P121012	AGMT DTD 11/30/17	Bertsimas /Dimitris J	09/01/17	08/31/19	262,981	200,000	(203,798)
	<b>Total by Primary Sponsor</b>								<b>262,981</b>	<b>200,000</b>	<b>(203,798)</b>
103487 C2Y Therapeutics, Inc.	103487 C2Y Therapeutics, Inc.	6937323	C	P402000	AGREEMENT DATED 10/1/2017	Chen /Jianzhu	10/01/17	09/30/20	251,750	423,978	(4,476)
	<b>Total by Primary Sponsor</b>								<b>251,750</b>	<b>423,978</b>	<b>(4,476)</b>

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103491 Alxerion Biotech Corp	103491 Alxerion Biotech Corp	6937013	C	P061901	AGMT EFF 8/23/17	Balcells-Camps /Mercedes	09/01/17	08/31/19	137,995	333,319	112,371
	<b>Total by Primary Sponsor</b>								<b>137,995</b>	<b>333,319</b>	<b>112,371</b>
103503 Servier	103503 Servier	6938185	C	P402000	CT0070886	Hammond /Paula T	03/01/18	03/01/20	131,836	300,000	126,269
	<b>Total by Primary Sponsor</b>								<b>131,836</b>	<b>300,000</b>	<b>126,269</b>
103504 TATA Power-Delhi Distribution Limited	103504 TATA Power-Delhi Distribution Limited	6938160	G	P320000	PO 4500013222	Stoner /Robert	09/18/17	06/30/18	0	15,002	1,156
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>15,002</b>	<b>1,156</b>
103510 Dar Group	103510 Dar Group	6938469	C	P030000	AGREEMENT DATED 5/1/2018	Sarkis /Antoine Hashim	05/01/18	04/30/23	21,702	2,000,000	1,978,298
	<b>Total by Primary Sponsor</b>								<b>21,702</b>	<b>2,000,000</b>	<b>1,978,298</b>
103528 Exelixis, Inc.	103528 Exelixis, Inc.	6938649	C	P402000	AGREEMENT EFFECTIVE 5/14/18	Spranger-Zimmermann /Stefani	07/01/18	05/30/20	89,434	370,317	280,883
		6938788	C	P402000	AGREEMENT EFFECTIVE 5/14/2018	Yilmaz /Omer	06/01/18	05/30/20	226,751	397,945	171,194
	<b>Total by Primary Sponsor</b>								<b>316,186</b>	<b>768,262</b>	<b>452,076</b>
103542 Efficient Power Conversion Corporation	103542 Efficient Power Conversion Corporation	6937201	C	P060600	EFF DATE 9/20/17	Palacios /Tomas	10/01/17	01/31/18	0	30,267	0
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>30,267</b>	<b>0</b>
103546 CooperStandard	103546 CooperStandard	6937611	C	P062000	PO# US10050643-2	Olsen /Bradley D.	01/01/18	12/31/19	196,664	312,827	69,711
	<b>Total by Primary Sponsor</b>								<b>196,664</b>	<b>312,827</b>	<b>69,711</b>
103569 Dialyze Direct	103569 Dialyze Direct	6940276	C	P065004	TBD	Karnik /Rohit	04/01/19	11/30/20	56,803	262,507	205,705
	<b>Total by Primary Sponsor</b>								<b>56,803</b>	<b>262,507</b>	<b>205,705</b>
103583 International Seabed Authority	103583 International Seabed Authority	6937831	C	P069850	AGREEMENT DTD 10/1/17	Kirchain /Randolph E	10/01/17	04/30/19	196,628	217,920	(27,420)
	<b>Total by Primary Sponsor</b>								<b>196,628</b>	<b>217,920</b>	<b>(27,420)</b>
103585 AgTech Accelerator, Inc.	103585 AgTech Accelerator, Inc.	6937498	C	P065004	AGREEMENT DATED 11/6/17	Hart /Douglas	09/01/17	12/31/18	(12,946)	100,395	(0)

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	<b>Total by Primary Sponsor</b>								<b>(12,946)</b>	<b>100,395</b>	<b>(0)</b>
103613 Overdeck Family Foundation	103613 Overdeck Family Foundation	6937828	G	P091020	LETTER DATED NOVEMBER 7, 2017	Finkelstein /Amy	10/01/17	09/30/19	70,945	151,250	62,487
		6937971	G	P091020	LETTER DATED NOVEMBER 7, 2017	Finkelstein /Amy	10/01/17	09/30/19	0	398,750	398,750
	<b>Total by Primary Sponsor</b>								<b>70,945</b>	<b>550,000</b>	<b>461,237</b>
103614 NEO Philanthropy, Inc	103614 NEO Philanthropy, Inc	6937638	G	P095500	AGMT. DTD. 10/31/17	Stewart /Charles H	10/15/17	10/14/18	17,403	24,955	0
	<b>Total by Primary Sponsor</b>								<b>17,403</b>	<b>24,955</b>	<b>0</b>
103626 MetLife	103626 MetLife	6938303	G	P069400		Pentland /Alex Paul	04/01/18	03/31/21	149,967	149,967	(0)
	<b>Total by Primary Sponsor</b>								<b>149,967</b>	<b>149,967</b>	<b>(0)</b>
103644 MIT-IBM Watson AI Lab	103644 MIT-IBM Watson AI Lab	6940059	C	P400600	AGREEMENT NO. W1771646	DiCarlo /James	09/01/18	08/31/19	119,694	150,000	30,306
	<b>Total by Primary Sponsor</b>								<b>119,694</b>	<b>150,000</b>	<b>30,306</b>
103649 Trovagent	103649 Trovagene	6938414	C	P402000	AGREEMENT DATES APRIL 6, 2018	Yaffe /Michael B	04/06/18	03/31/21	380,561	341,850	(49,907)
	<b>Total by Primary Sponsor</b>								<b>380,561</b>	<b>341,850</b>	<b>(49,907)</b>
103665 Dentsply Sirona	103665 Dentsply Sirona	6939221	G	P065004	SRA DTD. 05/31/2018	Hart /Anastasios John	06/01/18	05/31/19	0	150,000	150,000
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>150,000</b>	<b>150,000</b>
103671 Templeton World Charity Foundation, Inc.	103671 Templeton World Charity Foundation, Inc.	6939769	G	P154500	TWCF0319	Tenenbaum /Joshua B	07/25/18	07/24/21	87,689	228,251	140,562
		6940075	G	P121012	TWCF0350	Rand /David Gertler	09/21/18	06/30/19	147,464	115,643	(31,821)
	<b>Total by Primary Sponsor</b>								<b>235,153</b>	<b>343,894</b>	<b>108,740</b>
103688 SES	103688 SES	6938259	C	P061093	SRA DTD. 03/15/2018	Crawley /Edward F	03/15/18	02/14/21	203,701	856,312	621,158
		6938398	C	P061097	SRA DTD. 03/15/2018	Cahoy /Kerri	03/15/18	02/14/21	107,859	337,965	197,001
		6938415	C	P068700	SRA DTD. 03/15/2018	Veeramachaneni /Kalyan	03/15/18	02/14/21	162,406	455,437	255,317



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	<b>Total by Primary Sponsor</b>								<b>473,966</b>	<b>1,649,714</b>	<b>1,073,477</b>
103709 Welspun India Ltd	103709 Welspun India Ltd	6930712	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	08/01/14	03/31/19	288,655	923,959	(0)
		6937981	C	P039010	MEDIA LAB CONSORTIA	Harper /Caleb Benjamin	12/01/17	03/31/19	46,844	166,027	0
	<b>Total by Primary Sponsor</b>								<b>335,499</b>	<b>1,089,986</b>	<b>(0)</b>
103710 IFM co., Ltd	103710 IFM co., Ltd	6938666	C	P267200	IFM-MIT SHAO-HORN SRA	Shao-Horn /Yang	12/01/17	11/30/22	51,158	117,739	66,581
	<b>Total by Primary Sponsor</b>								<b>51,158</b>	<b>117,739</b>	<b>66,581</b>
103723 YANMAR R&D EUROPE S.r.l	103723 YANMAR R&D EUROPE S.r.l	6938740	G	P065004	SRA DTD. 05/17/2018	Heywood /John B	04/01/18	09/30/19	122,841	80,000	(73,722)
		6940009	G	P065004	SRA DTD. 05/17/2018	Heywood /John B	11/01/18	09/30/19	50,463	60,000	9,537
	<b>Total by Primary Sponsor</b>								<b>173,304</b>	<b>140,000</b>	<b>(64,186)</b>
103732 Moodys Investors Service Inc	103732 Moodys Investors Service Inc	6937786	C	P068700	AGREEMENT DATED 12/15/17	Berwick /Robert C	01/01/18	12/31/18	67,423	85,707	(0)
	<b>Total by Primary Sponsor</b>								<b>67,423</b>	<b>85,707</b>	<b>(0)</b>
103736 American Tower Corporation	103736 American Tower Corporation	6938030	G	P320000	AGMT DTD 12/1/17	Armstrong /Robert C	12/01/17	11/30/21	0	195,000	195,000
		6938457	G	P320000	AGMT DTD 12/1/17	Bulovic /Vladimir	12/01/17	04/30/18	50,311	100,000	49,690
		6939229	G	P320000	AGMT DTD 12/1/17	Bulovic /Vladimir	06/01/18	05/31/22	72,117	80,000	7,883
		6939957	G	P320000	AGMT DTD 12/1/17	Stoner /Robert	09/01/18	12/31/22	0	50,000	50,000
	<b>Total by Primary Sponsor</b>								<b>122,428</b>	<b>425,000</b>	<b>302,572</b>
103737 JDA	103737 JDA	6938189	C	P063007	PO# 009228	Simchi-Levi /David	01/01/18	12/31/19	217,939	700,000	482,061
	<b>Total by Primary Sponsor</b>								<b>217,939</b>	<b>700,000</b>	<b>482,061</b>
103742 Tesa Tape	103742 Tesa Tape	6939829	G	P066000	SRA DTD. TBD	Macfarlane /Robert J	01/01/19	12/31/20	9,118	198,122	189,004
	<b>Total by Primary Sponsor</b>								<b>9,118</b>	<b>198,122</b>	<b>189,004</b>

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103768 PATH	103768 PATH	6939933	C	P061901	AGREEMENT DATED 11/6/2018	Bhatia /Sangeeta N	11/06/18	12/31/19	78,124	230,444	152,320
	<b>Total by Primary Sponsor</b>								<b>78,124</b>	<b>230,444</b>	<b>152,320</b>
103822 Banxin	103822 Banxin	6936028	G	P065005	MIT-BANZAN AGREEMENT	Youcef-Toumi /Kamal	06/01/17	05/31/19	291,158	485,539	(100,394)
		6939400	G	P065005	MIT-BANZAN AGREEMENT	Youcef-Toumi /Kamal	06/01/17	05/31/19	20,197	120,000	99,803
	<b>Total by Primary Sponsor</b>								<b>311,355</b>	<b>605,539</b>	<b>(591)</b>
103845 Ralph C. Wilson Jr. Foundation	103845 Ralph C. Wilson Jr. Foundation	6940081	G	P097000	RG-1810-06335	Mindell /David A	11/13/18	12/31/20	19,559	634,853	615,295
	<b>Total by Primary Sponsor</b>								<b>19,559</b>	<b>634,853</b>	<b>615,295</b>
103846 Advanced Potash Technologies	103846 Advanced Potash Technologies	6938226	C	P069850	AGMT DTD 3/1/18	Allanore /Antoine	01/01/18	03/31/19	10,597	150,000	76,850
	<b>Total by Primary Sponsor</b>								<b>10,597</b>	<b>150,000</b>	<b>76,850</b>
103862 City of Somerville	007485 Tufts University	6939219	G	P035000	MA7438	Zhao /Jinhua	07/01/18	08/31/19	16,705	19,414	2,709
	<b>Total by Primary Sponsor</b>								<b>16,705</b>	<b>19,414</b>	<b>2,709</b>
103909 LEO Pharma A/S	103909 LEO Pharma A/S	6938056	G	P067952	PO# AQMUS-ADXX	Katabi /Dina	02/01/18	10/30/18	143,654	129,514	(14,503)
		6940516	C	P152000	PO# 2000173590	Pentelute /Bradley L.	04/01/19	03/28/21	63,304	320,000	256,696
		6940606	C	P067952	AQMUS-AERH	Katabi /Dina	03/01/19	02/29/20	0	354,872	354,872
	<b>Total by Primary Sponsor</b>								<b>206,958</b>	<b>804,386</b>	<b>597,065</b>
103942 MBTA Advisory Board	103942 MBTA Advisory Board	6938463	G	P035000	LTR DTD 12/13/17	Zhao /Jinhua	01/01/18	12/31/19	28,487	68,984	28,568
	<b>Total by Primary Sponsor</b>								<b>28,487</b>	<b>68,984</b>	<b>28,568</b>
103967 Inditex	103967 Inditex	6939437	C	P121012	AGMT. DTD. 01/25/2018	Perakis /Georgia	09/01/18	08/31/19	63,751	101,600	37,849
	<b>Total by Primary Sponsor</b>								<b>63,751</b>	<b>101,600</b>	<b>37,849</b>
103982 Computime Limited	103982 Computime Limited	6938507	C	P067952	AGMT. DTD. 04/01/2018	Katabi /Dina	04/01/18	03/31/21	0	400,000	400,000

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	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>400,000</b>	<b>400,000</b>
104022 Occidenta Oil and Gas Co.	104022 Occidental Oil and Gas Co.	6939899	C	P153000		Brown /Stephen	11/01/18	12/31/19	19,623	19,780	157
	<b>Total by Primary Sponsor</b>								<b>19,623</b>	<b>19,780</b>	<b>157</b>
104028 Janssen Biotech, Inc.	104028 Janssen Biotech Inc.	6937838	C	P402000	AGREEMENT DATED 12/19/2017	Jacks /Tyler E	12/19/17	12/18/19	1,638,407	2,864,041	810,231
		6937839	C	P402010	AGREEMENT DATED 12/19/2017	Bhatia /Sangeeta N	12/19/17	12/18/19	1,287,657	2,986,417	1,688,805
		6937840	C	P402010	AGREEMENT DATED 12/19/2017	Irvine /Darrell J	12/19/17	12/18/19	1,650,982	2,955,602	847,366
		6938223	C	P402000	AGREEMENT DATED 12/19/2017	Jacks /Tyler E	12/19/17	12/18/19	267,850	770,709	491,717
		6939013	C	P402000	AGREEMENT DATED 12/19/2017	Jacks /Tyler E	12/19/17	12/18/19	149,561	423,231	273,670
	<b>Total by Primary Sponsor</b>								<b>4,994,457</b>	<b>10,000,000</b>	<b>4,111,787</b>
104055 Korn Ferry	104055 Korn Ferry	6938344	G	P401823	SRA DTD 03/22/18	Murray /Fiona E	03/01/18	08/31/18	23,355	65,214	(0)
	<b>Total by Primary Sponsor</b>								<b>23,355</b>	<b>65,214</b>	<b>(0)</b>
104086 Broward County	104086 Broward County	6939477	C	P031000	AWARDED DATE 4/19/18	Mazereeuw /Miho	04/19/18	04/30/20	8,724	112,500	103,776
	<b>Total by Primary Sponsor</b>								<b>8,724</b>	<b>112,500</b>	<b>103,776</b>
104088 Iridescent	104088 Iridescent	6938263	C	P067952	AGMT. DTD. 01/10/18	Abelson /Harold	01/10/18	08/31/18	50,021	50,000	(21)
	<b>Total by Primary Sponsor</b>								<b>50,021</b>	<b>50,000</b>	<b>(21)</b>
104125 Shepherd Therapeutics	104125 Shepherd Therapeutics	6938921	C	P402000	AGREEMENT DATED 7/1/2018	Hammond /Paula T	08/01/18	07/30/20	148,506	256,268	107,762
	<b>Total by Primary Sponsor</b>								<b>148,506</b>	<b>256,268</b>	<b>107,762</b>
104127 World Auto Steel	104127 World Auto Steel	6938657	C	P417500	AGREEMENT DTD 2/1/18	Kirchain /Randolph E	02/01/18	01/01/20	122,277	127,000	4,723
	<b>Total by Primary Sponsor</b>								<b>122,277</b>	<b>127,000</b>	<b>4,723</b>
104151 Zalando S	104151 Zalando SE	6938910	G	P063007	SRA DTD. 06/19/2018	Simchi-Levi /David	06/19/18	07/31/19	149,983	231,001	81,018

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	<b>Total by Primary Sponsor</b>								<b>149,983</b>	<b>231,001</b>	<b>81,018</b>
104162 Boeing Research & Technology - Brazil	104162 Boeing Research & Technology - Brazil	6938928	C	P060300	MRA# 2017-656	Reynolds /Elisabeth Beck	05/31/18	12/20/18	0	0	0
		6939042	C	P060300	2018-PA-BRTB-207	Reynolds /Elisabeth Beck	05/31/18	03/01/19	97,315	100,000	2,685
	<b>Total by Primary Sponsor</b>								<b>97,315</b>	<b>100,000</b>	<b>2,685</b>
104173 Veoneer Sweden AB	104173 Veoneer Sweden AB	6937360	C	P069501	AGMT. DTD 10/10/2017	Coughlin /Joseph F	10/01/17	09/30/20	1,104,868	2,239,128	484,399
	<b>Total by Primary Sponsor</b>								<b>1,104,868</b>	<b>2,239,128</b>	<b>484,399</b>
104182 Sigilon Therapeutics, Inc	104182 Sigilon Therapeutics, Inc	6939687	C	P069201		Weiss /Ron	12/14/18	12/31/19	135,219	456,492	321,273
	<b>Total by Primary Sponsor</b>								<b>135,219</b>	<b>456,492</b>	<b>321,273</b>
104225 International Documentary Film Festival Amsterdam	104225 International Documentary Film Festival Amsterdam	6939892	C	P093800	SRA DTD 01/01/2018	Uricchio /William C	01/01/18	08/31/20	6,462	100,100	93,638
	<b>Total by Primary Sponsor</b>								<b>6,462</b>	<b>100,100</b>	<b>93,638</b>
104228 Commonwealth Fusion Systems	104228 Commonwealth Fusion Systems	6938882	C	P320000	MEMBER AGREEMENT DTD 3/7/18	Armstrong /Robert C	03/01/18	03/07/21	0	0	0
		6939195	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	1,565	0	(1,565)
		6939196	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	2,815,666	3,139,737	324,071
		6939197	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	504,744	517,562	12,818
		6939198	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	134,490	162,500	28,010
		6939199	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	1,151,184	1,963,400	812,216
		6939201	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Labombard /Brian	03/01/18	03/07/21	2,596,061	2,224,829	(371,232)
		6939202	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Labombard /Brian	03/01/18	03/07/21	170,582	52,598	(117,984)
		6939203	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Labombard /Brian	03/01/18	03/07/21	0	75,900	75,900
		6939204	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Labombard /Brian	03/01/18	03/07/21	251,418	299,000	47,582

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		6939205	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	0	0	0
		6939206	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	1,590,073	630,146	(959,927)
		6939207	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	1,199,932	770,926	(429,006)
		6939208	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	182,553	355,241	172,688
		6939209	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	99,537	121,000	21,463
		6939215	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	375,582	369,030	(6,552)
		6939216	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Hartwig /Zachary Seth	03/01/18	03/07/21	144,401	150,970	6,569
		6939831	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	05/31/20	81,364	152,000	70,636
		6939925	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/18	05/31/20	36,034	73,000	36,966
		6939959	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/18	05/31/20	196,622	265,000	68,378
		6939968	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/18	03/07/21	274	170,000	169,726
		6940149	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	11/01/18	03/07/21	132,073	239,344	107,271
		6940381	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	11/01/18	03/07/21	0	25,000	25,000
		6940655	C	P243020	MEMBER AGREEMENT DTD. 3/7/18	Greenwald /Martin J	03/01/18	03/07/21	0	0	0
		6940673	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Greenwald /Martin J	03/01/19	03/07/21	82,639	665,773	583,134
		6940674	C	P243020	MEMBER AGREEMENT DTD. 3/7/18	Greenwald /Martin J	03/01/19	03/07/21	3,969	43,227	39,258
		6940731	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	03/01/18	03/07/21	0	57,500	57,500
		6940795	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	06/01/19	08/31/19	448,228	1,520,000	1,071,772
		6940796	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	06/01/19	08/31/19	6,948	30,000	23,052
		6940797	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	06/01/19	08/31/19	5,671	0	(5,671)

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		6940799	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	06/01/19	08/31/19	0	100,000	100,000
		6940800	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	06/01/19	08/31/19	0	5,000	5,000
		6940803	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	06/01/19	08/31/19	5,048	90,000	84,952
		6940804	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	06/01/19	08/31/19	0	5,000	5,000
		6940807	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	08/31/19	148,837	350,000	201,163
		6940808	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	08/31/19	40,224	40,000	(224)
		6940809	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	08/31/19	23,141	10,000	(13,141)
		6940811	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Greenwald /Martin J	06/01/19	08/31/19	27,369	0	(27,369)
		6940979	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	08/31/19	1,463	10,000	8,537
		6940980	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	08/31/19	2,651	10,000	7,349
		6940981	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	08/31/19	0	10,000	10,000
		6940982	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	08/31/19	4,789	10,000	5,211
		6940983	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Irby /James Henderson	06/01/19	08/31/19	0	0	0
		6941043	C	P243020	MEMBER AGREEMENT DTD 3/7/18	Whyte /Dennis G	06/01/19	08/31/19	0	10,000	10,000
	<b>Total by Primary Sponsor</b>								<b>12,465,133</b>	<b>14,723,683</b>	<b>2,258,550</b>
104242 Chan Zuckerberg Foundation	006120 Harvard University	6938353	G	P405028	NO. 256568-5107896	Gabrieli /John D. E.	01/01/18	12/31/18	177,281	177,281	0
		6938387	G	P400600	NO. 256568-5107896	Gabrieli /John D. E.	01/01/18	12/31/18	108,838	108,838	0
		6938388	G	P154500	NO. 256568-5107896	Schulz /Laura E	01/01/18	12/31/18	52,398	52,398	0
		6939850	G	P405028	NO. 256568-5107896	Gabrieli /John D. E.	01/01/19	12/31/19	90,162	184,355	94,193
		6939851	G	P400600	NO. 256568-5107896	Gabrieli /John D. E.	01/01/19	12/31/19	182,363	266,599	84,236
		6939852	G	P154500	NO. 256568-5107896	Schulz /Laura E	01/01/19	12/31/19	52,563	133,469	80,906

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Primary Sponsor	Direct Sponsors	Project Wbs Id	G_C	Profit Center Id	Sponsor Contract Number	Supervisor	Project V	Project Wbs Expiration C	Fytd Amount	Auth Total	Unexpended Balance
	<b>Total by Primary Sponsor</b>								<b>663,605</b>	<b>922,940</b>	<b>259,335</b>
104285 Immunom	104285 Immunome	6939288	C	P267110	AGMT. DTD. 09/01/2018	Voldman /Joel	09/01/18	02/29/20	114,548	216,162	101,614
	<b>Total by Primary Sponsor</b>								<b>114,548</b>	<b>216,162</b>	<b>101,614</b>
104305 Oculus VR, LLC	104305 Oculus VR, LLC	6939300	C	P067952	PO# 1162236	Oliva /Aude	08/07/18	08/06/20	136,449	894,744	758,295
	<b>Total by Primary Sponsor</b>								<b>136,449</b>	<b>894,744</b>	<b>758,295</b>
104330 Stand Up to Cancer/Entertainment Industry Foundation	005817 Dana Farber Cancer Institute	6940189	G	P152000	6323401	Johnson /Jeremiah A.	09/01/18	08/31/19	140,742	132,516	(8,226)
	104330 Stand Up to Cancer/Entertainment Industry Foundation	6940339	G	P069201	AGMT DATED 2/14/19	Fraenkel /Ernest	11/01/18	12/31/21	4,906	547,162	542,256
		6940680	G	P067952	AGMT DATED 2/14/19	Barzilay /Regina	11/01/18	12/31/21	6,015	152,838	146,823
	<b>Total by Primary Sponsor</b>								<b>151,662</b>	<b>832,516</b>	<b>680,854</b>
104344 Guiding Eyes for the Blind	104344 Guiding Eyes for the Blind	6939043	C	P067952		Rus /Daniela L	06/01/18	05/31/19	104,416	150,829	46,413
	<b>Total by Primary Sponsor</b>								<b>104,416</b>	<b>150,829</b>	<b>46,413</b>
104360 IHI Corporation	104360 IHI Corporation	6938799	C	P320000	AGREEMENT DTD 5/1/18	Armstrong /Robert C	05/01/18	04/30/21	0	0	(0)
		6939092	C	P320103	AGREEMENT DTD 5/1/18	Halton /Trevor Alan	05/01/18	04/30/20	482,587	759,825	277,238
		6939230	C	P320103	AGREEMENT DTD 5/1/18	Barton /Paul I	06/01/18	05/31/19	196,897	284,502	87,605
		6939287	C	P320103	AGREEMENT DTD 5/1/18	Halton /Trevor Alan	08/01/18	02/28/19	51,742	52,000	258
	<b>Total by Primary Sponsor</b>								<b>731,226</b>	<b>1,096,327</b>	<b>365,101</b>
104361 Magnolia Quality Development Corporation	104361 Magnolia Quality Development Corporation	6939906	G	P320000	AGREEMENT DTD. 5/23/18	Strano /Michael S.	09/01/18	08/31/20	117,999	563,142	445,143
	<b>Total by Primary Sponsor</b>								<b>117,999</b>	<b>563,142</b>	<b>445,143</b>
104383 Translate Bio	104383 Translate Bio	6934245	C	P402010	6496	Anderson /Daniel Griffith	11/01/16	01/01/20	905,179	3,638,570	819,400
	<b>Total by Primary Sponsor</b>								<b>905,179</b>	<b>3,638,570</b>	<b>819,400</b>

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104387 Airbus DS Space Systems, Inc.	104387 Airbus DS Space Systems, Inc.	6938464	G	P061097	SRA DATED 05/14/18	Saenz-Otero /Alvar	05/01/18	08/31/18	18,661	37,014	0
	<b>Total by Primary Sponsor</b>								<b>18,661</b>	<b>37,014</b>	<b>0</b>
104446 THE PAUL G. ALLEN FRONTIERS GROUP	005817 Dana Farber Cancer Institute	6940362	G	P402000	SUBAWARD REF# 633080	Manalis /Scott R	12/01/18	11/30/19	47,041	150,000	102,959
		6940576	G	P402000	SUBAWARD REF# 633080	Hemann /Michael	12/01/18	11/30/19	0	50,000	50,000
	<b>Total by Primary Sponsor</b>								<b>47,041</b>	<b>200,000</b>	<b>152,959</b>
104447 Mercury New Zealand	104447 Mercury New Zealand	6939549	C	P065004	SRA DTD. TBD	Hunter /Ian	09/01/18	08/31/19	27,978	230,000	202,022
		6940960	C	P065004	SRA DTD. TBD	Hunter /Ian	09/01/18	08/31/19	0	20,000	20,000
	<b>Total by Primary Sponsor</b>								<b>27,978</b>	<b>250,000</b>	<b>222,022</b>
104453 Fujifilm Holdings Corporation	104453 Fujifilm Holding	6939844	C	P402000	AGREEMENT DATED OCT	Anderson /Daniel Griffith	10/01/18	09/30/22	165,217	2,680,028	2,514,811
	<b>Total by Primary Sponsor</b>								<b>165,217</b>	<b>2,680,028</b>	<b>2,514,811</b>
104471 The Mark Foundation for Cancer Research	104471 The Mark Foundation for Cancer Research	6940511	G	P061901	AGREEMENT DATED 3/15/19	Sontag /David Alexander	03/15/19	03/14/24	0	1,000,000	1,000,000
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>1,000,000</b>	<b>1,000,000</b>
104524 Bezos Family Foundation	104524 Bezos Family Foundation	6939286	G	P039000		Roy /Deb K	09/01/18	03/01/20	129,561	387,994	258,433
	<b>Total by Primary Sponsor</b>								<b>129,561</b>	<b>387,994</b>	<b>258,433</b>
104525 Swisscom AG	104525 Swisscom AG	6939063	C	P121012	PO 4501206116	Eppinger /Steven D	08/01/18	12/31/19	138,626	169,307	30,681
	<b>Total by Primary Sponsor</b>								<b>138,626</b>	<b>169,307</b>	<b>30,681</b>
104552 Novelis	104552 Novelis	6939547	C	P417500	PO# 4500151630	Allanore /Antoine	09/01/18	09/30/20	102,881	178,510	75,629
	<b>Total by Primary Sponsor</b>								<b>102,881</b>	<b>178,510</b>	<b>75,629</b>
104566 Changwon National University	104566 Changwon National University	6939242	G	P065004	SRA DTD. 08/23/2018	Fang /Xuanlai	07/01/18	12/31/21	44,194	131,626	87,432
	<b>Total by Primary Sponsor</b>								<b>44,194</b>	<b>131,626</b>	<b>87,432</b>



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104569 Zapata Computing Inc	104569 Zapata Computing Inc	6939167	C	P066000	SRA DTD. 08/15/2018	Gomez-Bombarelli /Rafael	08/01/18	01/31/20	89,258	155,000	65,742
	<b>Total by Primary Sponsor</b>								<b>89,258</b>	<b>155,000</b>	<b>65,742</b>
104587 Administrative Committee of Zhengdong New District of Zhengzhou	104587 Administrative Committee of Zhengdong New District	6939357	C	P035000	TBD	Zheng /Siqi	11/01/18	10/31/21	9,068	0	(9,068)
	<b>Total by Primary Sponsor</b>								<b>9,068</b>	<b>0</b>	<b>(9,068)</b>
104592 VTSIX	104592 VTSIX	6939271	C	P153000	AGMT. DTD. 08/01/2018	Ravela /Srinivas	08/01/18	07/31/20	8,680	151,330	142,650
	<b>Total by Primary Sponsor</b>								<b>8,680</b>	<b>151,330</b>	<b>142,650</b>
104605 Membrion	104605 Membrion	6939018	C	P062000	SRA DTD. 09/11/2018	Brushett /Fikile R	07/01/18	08/31/18	7,330	7,330	0
	<b>Total by Primary Sponsor</b>								<b>7,330</b>	<b>7,330</b>	<b>0</b>
104606 Toyota Mobility Foundation	104606 Toyota Mobility Foundation	6939354	C	P030001	AGREEMENT DATED 8/28/18	Berger /Alan M	08/31/18	12/31/19	167,526	156,214	(11,312)
	<b>Total by Primary Sponsor</b>								<b>167,526</b>	<b>156,214</b>	<b>(11,312)</b>
104623 Southern University of Science and Technology	104623 Southern University of Science and Technology	6939546	G	P065009	CRA DTD. TBD	Chen /Gang	09/01/18	08/31/19	0	1,450,000	1,450,000
		6939833	G	P065005	CRA DTD. TBD	Yue /Dick K. P.	09/01/18	08/31/19	109,446	150,000	40,554
		6939834	G	P065004	CRA DTD. TBD	Hogan /Neville	09/01/18	08/31/19	64,455	150,000	85,545
		6939835	G	P065009	CRA DTD. TBD	Asada /Haruhiko	09/01/18	08/31/19	81,010	150,000	68,990
		6939836	G	P065004	CRA DTD. TBD	Kim /Jeehwan	09/01/18	08/31/19	32,519	150,000	117,481
		6939837	G	P065004	CRA DTD. TBD	Fang /Xuanlai	09/01/18	08/31/19	146,875	150,000	3,125
		6939838	G	P065009	CRA DTD. TBD	Chen /Gang	09/01/18	08/31/19	28,944	150,000	121,056
		6939839	G	P065005	CRA DTD. TBD	Zhao /Xuanhe	09/01/18	08/31/19	95,948	150,000	54,052
		6939841	G	P065005	CRA DTD. TBD	Lienhard /John H	09/01/18	08/31/19	75,122	150,000	74,878
		6939842	G	P065004	CRA AGREEMENT	Kim /Sangbae	09/01/18	08/31/19	76,520	150,000	73,480

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	<b>Total by Primary Sponsor</b>								<b>710,840</b>	<b>2,800,000</b>	<b>2,089,160</b>
104643 A Breath of Hope Lung Foundation	104643 A Breath of Hope Lung Foundation	6939790	G	P402000	2018 ABOH RESEARCH FELLOWSHIP	Spranger-Zimmermann /Stefani	12/01/18	11/30/20	53,757	150,000	96,243
	<b>Total by Primary Sponsor</b>								<b>53,757</b>	<b>150,000</b>	<b>96,243</b>
104665 MicroLink Devices	104665 MicroLink Devices	6939489	G	P065004	SRA DTD. 10/10/2018	Kim /Jeehwan	08/07/18	08/24/19	14,649	44,890	30,241
	<b>Total by Primary Sponsor</b>								<b>14,649</b>	<b>44,890</b>	<b>30,241</b>
104668 Anonymous Foundation C	104668 Anonymous Foundation C	6939066	C	P031000	AGREEMENT DATED JULY 1, 2018	Yoon /J. Meejin	07/01/18	04/30/19	95,757	175,147	79,390
	<b>Total by Primary Sponsor</b>								<b>95,757</b>	<b>175,147</b>	<b>79,390</b>
104670 The SCAN Foundation	104670 The SCAN Foundation	6939252	G	P069501	G18-35	Coughlin /Joseph F	08/16/18	10/31/19	0	20,000	20,000
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>20,000</b>	<b>20,000</b>
104728 Daimler Purchasing Coordination Corp	104728 Daimler Purchasing Coordination Corp.	6939062	C	P065005	PO# 1013829362	Tian /Tian	07/15/18	07/14/20	187,740	480,439	292,699
	<b>Total by Primary Sponsor</b>								<b>187,740</b>	<b>480,439</b>	<b>292,699</b>
104735 Schmidt Family Foundation	005408 California Institute of Technology	6940312	C	P153000	S405609	Ferrari /Raffaele	08/01/18	07/24/19	359,032	589,168	230,136
	<b>Total by Primary Sponsor</b>								<b>359,032</b>	<b>589,168</b>	<b>230,136</b>
104787 Allegheny Technologies Incorporated	104787 Allegheny Technologies Incorporated	6940285	C	P417500	AGREEMENT DTD 1/15/19	Tasan /Cemal	01/15/19	01/14/21	42,180	255,070	212,890
	<b>Total by Primary Sponsor</b>								<b>42,180</b>	<b>255,070</b>	<b>212,890</b>
104829 U.S. Election Assistance Commission	104811 FORS MARSH GROUP LLC	6939292	C	P095500	MIT1801	Stewart /Charles H	08/09/18	07/30/19	9,376	39,999	30,623
	<b>Total by Primary Sponsor</b>								<b>9,376</b>	<b>39,999</b>	<b>30,623</b>
104929 Xibus Systems, Inc.	104929 Xibus Systems, Inc.	6940236	C	P062000	SRA DTD 2-1-2019	Sikes Johnson /Hadley	02/01/19	01/31/20	73,531	146,317	72,785
	<b>Total by Primary Sponsor</b>								<b>73,531</b>	<b>146,317</b>	<b>72,785</b>
104973 Nissan Chemical America Corporation	104973 Nissan Chemical America Corporation	6939567	C	P267500	AGMT DTD 11/1/18	Kim /Jeehwan	11/01/18	12/31/19	85,079	100,000	14,921

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	<b>Total by Primary Sponsor</b>								<b>85,079</b>	<b>100,000</b>	<b>14,921</b>
104990 Peniel Sciences Inc	104990 Peniel Sciences Inc	6939861	C	P152000	AGMT. DTD. 11/7/18	Pentelute /Bradley L.	11/01/18	10/31/19	151,283	400,000	248,717
	<b>Total by Primary Sponsor</b>								<b>151,283</b>	<b>400,000</b>	<b>248,717</b>
104991 NGK Spark Plug Co., Lt	104991 NGK Spark Plug Co., Ltd	6939553	C	P417500	AGMT DTD 8/1/18	Rupp /Jennifer Lilia Marguerit	10/01/18	03/31/21	305,995	795,224	489,229
	<b>Total by Primary Sponsor</b>								<b>305,995</b>	<b>795,224</b>	<b>489,229</b>
105029 JPMorgan Chase & Co.	105029 JPMorgan Chase & Co.	6940658	G	P121175	52538997	Brynjolfsson /Erik	03/15/19	03/14/21	29,497	400,000	370,503
	<b>Total by Primary Sponsor</b>								<b>29,497</b>	<b>400,000</b>	<b>370,503</b>
105071 Kairos Power	105071 Kairos Power	6940004	C	P264000	RESEARCH AGREEMENT NO. 200060	Hu /Lin-Wen	10/01/18	09/30/20	56,605	330,981	274,376
	<b>Total by Primary Sponsor</b>								<b>56,605</b>	<b>330,981</b>	<b>274,376</b>
105074 Alliance for Lifetime Income	105074 Alliance for Lifetime Income	6940422	C	P069501	AGREEMENT DTD 1/1/19	Coughlin /Joseph F	01/01/19	12/31/19	71,031	450,000	378,969
	<b>Total by Primary Sponsor</b>								<b>71,031</b>	<b>450,000</b>	<b>378,969</b>
105107 Fonterra	105107 Fonterra	6940173	G	P065004	SRA DTD. 12/21/2018	Hunter /Ian	01/01/19	12/31/19	68,141	500,000	431,859
		6941126	C	P065004	AGMT DTD 07/12/2019	Hunter /Ian	06/01/19	05/31/20	0	660,000	660,000
	<b>Total by Primary Sponsor</b>								<b>68,141</b>	<b>1,160,000</b>	<b>1,091,859</b>
105126 Stiftung Grundeinkommen	105126 Stiftung Grundeinkommen	6940587	C	P091000	SRA DTD. 04/05/2019	Jaeger /Simon C.	04/01/19	09/30/21	10,228	147,211	136,983
	<b>Total by Primary Sponsor</b>								<b>10,228</b>	<b>147,211</b>	<b>136,983</b>
105146 Lucideus Inc.	105146 Lucideus Inc.	6940108	C	P121110	AGMT. DTD 1/11/2019	Siegel /Michael D	01/01/19	09/30/19	91,073	100,000	8,927
	<b>Total by Primary Sponsor</b>								<b>91,073</b>	<b>100,000</b>	<b>8,927</b>
105147 The John A. Hartford Foundation	105147 The John A. Hartford Foundation	6940063	G	P069501	2018-0138	Coughlin /Joseph F	12/01/18	11/30/19	16,640	150,000	133,360
	<b>Total by Primary Sponsor</b>								<b>16,640</b>	<b>150,000</b>	<b>133,360</b>

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105186 Civil Aviation Flight University of China	105186 Civil Aviation Flight University of China	6940049	C	P061093	SRA DTD 11/22/18	Leveson /Nancy G	12/01/18	04/30/19	42,001	42,000	(1)
	<b>Total by Primary Sponsor</b>								<b>42,001</b>	<b>42,000</b>	<b>(1)</b>
105278 My Energy GIE	105278 My Energy GIE	6940213	C	P069400	AGMT. DTD. 01/14/2019	Trancik /Jessika	01/01/19	05/31/20	9,776	31,000	21,224
	<b>Total by Primary Sponsor</b>								<b>9,776</b>	<b>31,000</b>	<b>21,224</b>
105284 Bipartisan Policy Center, Inc.	105284 Bipartisan Policy Center, Inc.	6940172	G	P095500	18-DEM-106	Stewart /Charles H	11/28/18	09/30/19	6,226	22,000	15,774
	<b>Total by Primary Sponsor</b>								<b>6,226</b>	<b>22,000</b>	<b>15,774</b>
105355 Union of Greek Shipowners	105355 Union of Greek Shipowners	6940493	G	P065002		Heywood /John B	03/01/19	11/30/19	45,505	141,444	95,939
		6940494	G	P065002		Adams /Edward E	03/01/19	11/30/19	26,820	53,510	26,690
	<b>Total by Primary Sponsor</b>								<b>72,324</b>	<b>194,954</b>	<b>122,629</b>
105365 Cryotech LLC	105365 Cryotech LLC	6940229	C	P069201	AGREEMENT DTD 1/1/19	Griffith /Linda G	01/01/19	06/30/20	41,248	154,987	113,738
	<b>Total by Primary Sponsor</b>								<b>41,248</b>	<b>154,987</b>	<b>113,738</b>
105386 Sumitomo Chemical America, Inc.	105386 Sumitomo Chemical America, Inc.	6940839	C	P066000	AGMT DATED 4/01/19	Gomez-Bombarelli /Rafael	07/01/19	03/31/20	0	372,397	372,397
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>372,397</b>	<b>372,397</b>
105446 Ohana Biosciences	105446 Ohana Biosciences	6940353	C	P267110	SRA DTD 3/4/19	Han /Jongyoon	03/01/19	02/29/20	36,187	200,000	163,813
	<b>Total by Primary Sponsor</b>								<b>36,187</b>	<b>200,000</b>	<b>163,813</b>
105508 Avalon GloboCare Corp.	105508 Avalon GloboCare Corp.	6940423	C	P402000	AGREEMENT EFFECTIVE 3/7/19	Langer /Robert S	04/01/19	03/31/22	74,415	1,445,442	1,371,027
		6940856	C	P400600	AGREEMENT EFFECTIVE 3/7/19	Boyden /Edward	04/01/19	03/31/22	(1,867)	54,558	56,425
	<b>Total by Primary Sponsor</b>								<b>72,548</b>	<b>1,500,000</b>	<b>1,427,452</b>
105547 Sony Corporation of America	105547 Sony Corporation of America	6938902	C	P060600	PO 4200367896	Han /Song	09/01/18	08/31/19	46,963	100,000	53,037
		6938932	C	P067952	PO 4200367897	Sanchez Martin /Daniel	07/01/18	06/30/19	100,241	100,000	(241)

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		6940617	C	P067952	PO# 4200417878	Matusik /Wojciech	06/01/19	05/31/20	6,456	150,000	143,544
	<b>Total by Primary Sponsor</b>								<b>153,660</b>	<b>350,000</b>	<b>196,340</b>
105567 Bundl Technologies Pvt Ltd	105567 Bundl Technologies Pvt Ltd	6940631	C	P069500	AGREEMENT DATED 5/1/2019	Sheffi /Yosef	05/01/19	07/31/20	29,239	395,000	365,761
	<b>Total by Primary Sponsor</b>								<b>29,239</b>	<b>395,000</b>	<b>365,761</b>
105626 Collagen Medical LLC	105626 Collagen Medical LLC	6940376	C	P152000	AGMT.DTD.03/01/2019	Bawendi /Moungi G	03/01/19	02/29/20	48,984	75,000	26,016
	<b>Total by Primary Sponsor</b>								<b>48,984</b>	<b>75,000</b>	<b>26,016</b>
105649 The Center for Global Enterprise (CGE)	105649 The Center for Global Enterprise (CGE)	6940720	G	P121175		Brynjolfsson /Erik	04/01/19	03/31/21	0	300,000	300,000
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>300,000</b>	<b>300,000</b>
105686 MedNeon	105686 MedNeon	6940369	C	P067952	AGMT.DTD.03/01/2019	Barzilay /Regina	03/01/19	07/15/19	0	36,092	36,092
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>36,092</b>	<b>36,092</b>
105689 Element AI	105689 Element AI	6940782	C	P067952	AGREEMENT DATED 1/1/19	Torralba /Antonio	03/01/19	08/31/19	0	54,667	54,667
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>54,667</b>	<b>54,667</b>
105712 Italian Ministry of Economic Development	105176 LUM Enterprise	6940212	C	P069400	AGMT. DTD. 03/01/2019	Pentland /Alex Paul	03/01/19	02/28/21	83,255	400,000	316,745
	<b>Total by Primary Sponsor</b>								<b>83,255</b>	<b>400,000</b>	<b>316,745</b>
105717 QinetiQ Ltd.	105717 QinetiQ Ltd.	6940833	C	P401823	PO #3000316577	Fitzgerald /Eugene A	01/01/19	06/30/19	10,787	13,000	2,213
	<b>Total by Primary Sponsor</b>								<b>10,787</b>	<b>13,000</b>	<b>2,213</b>
105749 Soremartec SA	105749 Soremartec SA	6940751	C	P267111	PO 2809001506	Grossman /Jeffrey C.	09/01/18	04/30/20	50,280	374,139	323,859
	<b>Total by Primary Sponsor</b>								<b>50,280</b>	<b>374,139</b>	<b>323,859</b>
105769 World Functional Materials, Inc.	105769 World Functional Materials, Inc.	6938493	C	P267200	IFM-MIT SHAO-HORN SRA	Shao-Horn /Yang	12/01/17	11/30/22	65,064	112,261	44,708
	<b>Total by Primary Sponsor</b>								<b>65,064</b>	<b>112,261</b>	<b>44,708</b>

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105806 ALS Finding A Cure	105806 ALS Finding A Cure	6937961	C	P069201	LETTER DTD, OCTOBER/2016	Fraenkel /Ernest	10/01/16	09/30/17	0	134,308	130,974
		6938930	C	P069201	LETTER DTD APRIL/2018	Fraenkel /Ernest	04/01/18	09/30/19	22,523	45,110	22,587
	<b>Total by Primary Sponsor</b>								<b>22,523</b>	<b>179,418</b>	<b>153,562</b>
105826 ENN Digital Energy Technology Co. Ltd.	105826 ENN Digital Energy Technology Co. Ltd.	6941062	C	P320000	AGRMNT EFFECTIVE 11/1/16	Armstrong /Robert C	03/15/19	06/14/20	57,602	150,000	92,398
	<b>Total by Primary Sponsor</b>								<b>57,602</b>	<b>150,000</b>	<b>92,398</b>
105888 King.com Ltd	105888 King.com Ltd	6939889	C	P093800	SRA DTD. 11/01/2018	Jakobsson /Jan Mikael	06/01/18	08/31/19	50,123	50,123	(0)
	<b>Total by Primary Sponsor</b>								<b>50,123</b>	<b>50,123</b>	<b>(0)</b>
105908 Merkin Family Foundation	010085 The Broad Institute, Inc.	6940638	G	P152000	6000765-5500001211	Raines /Ronald T	09/01/18	08/31/19	239,610	284,650	45,040
	<b>Total by Primary Sponsor</b>								<b>239,610</b>	<b>284,650</b>	<b>45,040</b>
105989 Celulosa Arauco y Constitucion S.A.	105989 Celulosa Arauco y Constitucion S.A.	6941047	C	P065004	WORK PLAN 1	Hunter /Ian	05/01/19	04/30/20	0	975,000	975,000
		6941061	C	P063000	BUEHLER PROJECT	Buehler /Markus J	07/01/19	06/30/21	0	174,391	174,391
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>1,149,391</b>	<b>1,149,391</b>
106076 Abdul Latif Jameel Clinic for Machine Learning in Health (J-Cli	106076 Abdul Latif Jameel Clinic for Machine Learning in	6941120	G	P060051	106076	Barzilay /Regina	05/01/19	04/30/20	0	2,340,000	2,340,000
	<b>Total by Primary Sponsor</b>								<b>0</b>	<b>2,340,000</b>	<b>2,340,000</b>
999903 MIT - Deshpande Cente	009904 MIT - Internal	6926535	G	P063007	DESHPANDE MOU	McLaughlin /Dennis	09/01/12	08/31/13	0	49,697	0
	999903 MIT - Deshpande Center	6928483	G	P402000	DESHPANDE MOU	Bhatia /Sangeeta N	09/01/13	08/31/15	0	98,367	(0)
		6928486	G	P069700	DESHPANDE MOU	Hart /Anastasios John	09/01/13	05/31/15	0	1,000	0
		6928487	G	P067952	DESHPANDE MOU	Matusik /Wojciech	09/01/13	08/31/14	0	1,000	0
		6930681	G	P267400	DESHPANDE MOU	Baldo /Marc A	09/01/14	08/31/15	0	50,000	(0)
		6930682	G	P152000	DESHPANDE MOU	Bawendi /Moungi G	09/01/14	08/31/16	0	200,000	0

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		6930683	G	P062000	DESHPANDE MOU	Halton /Trevor Alan	09/01/14	08/31/16	0	93,383	0
		6930727	G	P062000	DESHPANDE MOU	Doyle /Patrick S	09/01/14	12/31/15	0	50,000	0
		6930808	G	P267500	DESHPANDE MOU	Soljagic /Marin	09/01/14	08/31/16	0	100,000	0
		6930820	G	P152000	DESHPANDE MOU	Surendranath /Yogesh	09/01/14	08/31/15	0	983	(0)
		6931057	G	P061901	DESHPANDE MOU	Edelman /Elazer R	09/01/14	08/31/16	0	149,933	0
		6931123	G	P065005	DESHPANDE MOU	Varanasi /Kripa	11/01/14	10/31/16	0	150,000	0
		6931749	G	P061901	DESHPANDE MOU	Gray /Martha L	09/01/14	02/28/16	0	74,942	0
		6932666	G	P267600	DESHPANDE MOU	Smith /Henry I	09/15/15	01/31/18	0	115,440	0
		6932675	G	P152000	DESHPANDE MOU	Buchwald /Stephen Leffler	09/01/15	08/31/19	31	200,000	8,016
		6932788	G	P067952	DESHPANDE MOU	Rus /Daniela L	09/01/15	12/31/17	0	49,910	0
		6933609	G	P067952	DESHPANDE MOU	Durand /Frederic	09/01/15	08/31/17	0	66,315	(0)
		6934507	G	P039070	DESHPANDE MOU	Boyden /Edward	08/01/16	01/31/17	0	47,688	(0)
		6934688	G	P062000	DESHPANDE MOU	Brushett /Fikile R	09/01/16	08/31/18	10,785	51,000	0
		6934710	G	P035000	DESHPANDE MOU	Zegras /Pericles C	09/01/16	08/31/18	0	96,306	893
		6934715	G	P402100	DESHPANDE MOU	Fox /James G	09/01/16	08/31/18	7,045	93,441	0
		6934729	G	P065009	DESHPANDE MOU	Chen /Gang	09/01/16	08/31/17	0	50,000	0
		6934860	G	P402000	DESHPANDE MOU	Belcher /Angela M	09/01/16	08/31/18	(349)	50,958	(0)
		6934878	G	P165000	DESHPANDE MOU	Ribbeck /Katharina	09/01/16	12/31/18	49,834	200,000	(0)
		6936918	G	P267600	DESHPANDE MOU	Smith /Henry I	09/01/15	08/31/17	0	48,248	0
		6936946	G	P065004	DESHPANDE MOU	Hart /Anastasios John	09/01/17	08/31/18	3,188	44,300	(2,267)

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		6937062	G	P065005	DESHPANDE MOU	Wang /Evelyn	09/01/17	08/31/19	51,293	51,000	(293)
		6937132	G	P165000	DESHPANDE MOU	Bathe /Mark	09/01/17	02/15/19	31,231	50,000	39
		6937133	G	P062000	DESHPANDE MOU	Olsen /Bradley D.	09/01/17	08/31/19	62,805	144,511	60,040
		6937174	G	P267200	DESHPANDE MOU	Ram /Rajeev J	09/01/17	12/31/19	28,389	100,000	22,327
		6937251	G	P066000	DESHPANDE MOU	Beach /Geoffrey Stephen	09/01/17	08/31/19	83,278	100,000	(23,978)
		6937266	G	P402000	DESHPANDE MOU	Cima /Michael J	09/01/17	08/31/18	(55)	49,978	(0)
		6937347	G	P267111	DESHPANDE MOU	Daniel /Luca	09/01/17	08/31/20	49,135	100,000	7,808
		6937775	G	P062000	DESHPANDE MOU	Sikes Johnson /Hadley	09/01/17	08/31/18	10,949	50,000	0
		6937924	G	P069200	DESHPANDE MOU	Griffith /Linda G	09/01/17	08/31/20	4,936	58,030	44,319
		6938437	G	P065004	DESHPANDE MOU	Hart /Anastasios John	09/01/17	08/31/18	9,889	5,700	(9,773)
		6939505	G	P065005	DESHPANDE MOU	Winter /Amos G	09/01/18	08/31/19	49,189	50,000	811
		6939537	G	P267111	DESHPANDE MOU	Grossman /Jeffrey C.	09/01/18	08/31/19	39,623	50,000	10,377
		6939846	G	P152000	DESHPANDE MOU	Johnson /Jeremiah A.	09/01/18	08/31/19	33,636	50,000	16,364
		Total by Primary Sponsor								524,833	2,992,131
	Total									773,900,570	4,701,946,14